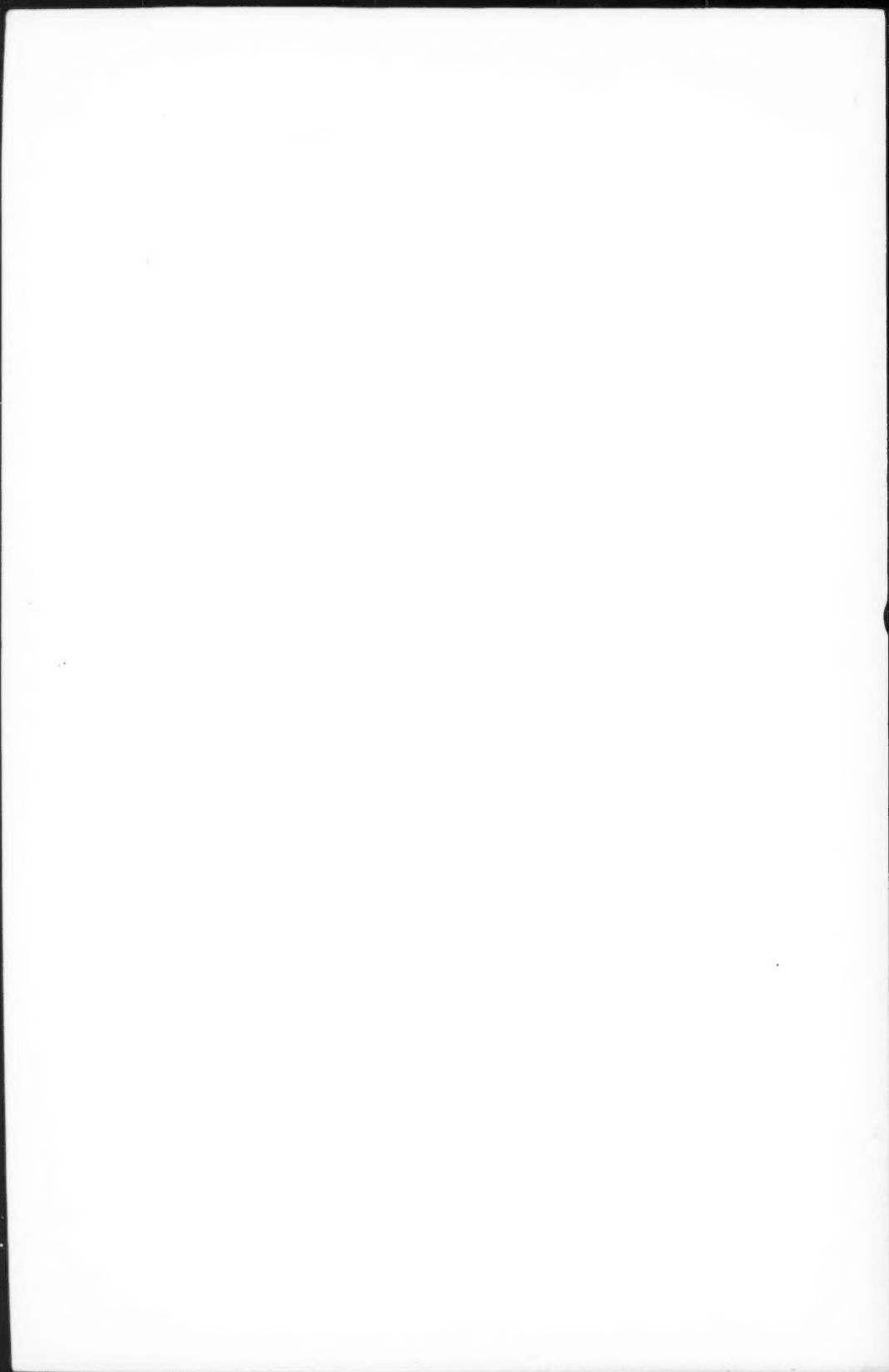


ASCE

1965

COMBINED INDEX





1966/1

ASCE

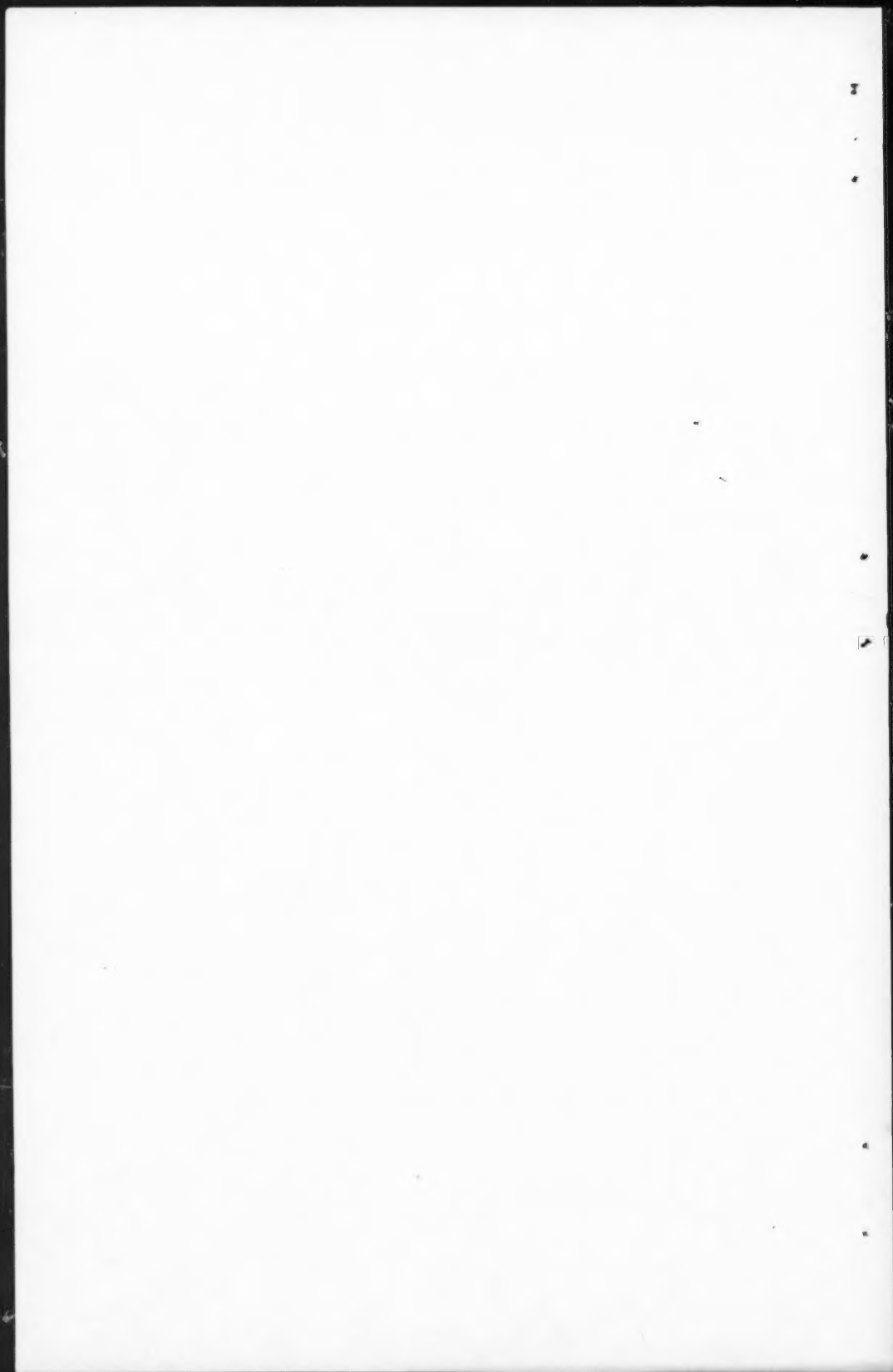
1965

COMBINED INDEX



*Journals (Proceedings)
Civil Engineering
and
Transactions*

March, 1966/\$2.00



INDEX TO 1965 ASCE PERIODICAL PUBLICATIONS

FOREWORD

The 1965 Index, which provides a guide to information published by ASCE during 1965, combines material appearing in the Journals (Proceedings Vol. 91), CIVIL ENGINEERING (Vol. 35), and Transactions (Vol. 130).

The user will find all articles and papers dealing with specific subject areas listed under one or more appropriate subject headings suggested by the content and application of the paper. The Engineers Joint Council "Thesaurus of Engineering Terms" has been used as the primary source of index terms. Additional terms not presently in the Thesaurus have been used when necessary.

The Index can be used in conjunction with the information-retrieval cards printed in the front of each journal. The underlined key words on the information-retrieval abstracts are the words used as index terms in the 1965 Index.

The name index contains entries indexed under the names of authors, co-authors, discussers, chairmen of committees preparing reports, and deceased members, whose memoirs appeared in Transactions.

In the name index, the entry for a Proceedings paper (under the first named if more than one author) is supplemented by information concerning the discussion, closure, and Transactions Digest, if applicable. To find what discussion, if any, there has been for Proceedings papers located in the subject index, the reader looks under the entry for the first-named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced until the closure to the paper is located.

Discussions of CIVIL ENGINEERING items are noted in the subject index as well as in the name index under the discussor's name.

When the paper appears in Transactions, the complete entry including original paper, discussion, closure, and errata, if applicable, and Transactions citation appears in the name index. The subject entry contains a citation to the original paper and the Transactions reference.

Typical abbreviations used herein are:

Dsc for discussion,
Clo for closing discussion,
Corr for corrections,
Chmn for Chairman of a committee submitting a report, and
TR for Transactions.

Division Abbreviations: Aero-Space Transport (AT), Construction (CO), Engineering Mechanics (EM), Highway (HW), Hydraulics (HY), Irrigation and Drainage (IR), Pipeline (PL), Power (PO), Sanitary Engineering (SA), Soil Mechanics and Foundations (SM), Structural (ST), Surveying and Mapping (SU), Urban Planning and Development (UP), and Waterways and Harbors (WW). Papers sponsored by the Department of Conditions of Practice are identified by the symbols (PP).

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as:

HY1: Jan 65:59:4875

which would indicate a paper published in the Journal of the Hydraulics Division, January, 1965, on page 59, as Proceedings Paper 4875.

The Transactions entry

TR:130:475

indicates that the Digest appears in Transactions, Volume 130, on page 475.

Articles and news items published in CIVIL ENGINEERING are represented as:

CE:Jan 65:100

which states that the article appeared in CIVIL ENGINEERING in the January, 1965 issue on page 100.

In addition to articles, the following Departments of CIVIL ENGINEERING are indexed: ASCE News, Engineers Notebook, News Briefs, and the Readers Write.

1965 COMBINED SUBJECT INDEX

ADMIXTURES

Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J. C. McCraw, CE:Nov 65:70

AERATION

Better Activated Sludge by the Kessener-Brush Aeration Process, H.R. Carter, CE:Dec 65:67

Minimal Solids Aeration Activated Sludge, M.W. Tenney, R.H. Johnson, Jr., and J.M. Symons, SA1:Feb 64:23:3790
TR:130:705

AERODYNAMICS

Combined Aerodynamic and Structural Design of Light-Weight Flight Structures, Robert W. Fralich, CE:Aug 65:60

Washington--Legacy of Galloping Gertie (Tacoma Narrows Bridge), Robert Goller, CE:Oct 65:50

AERONAUTICS

A Study of Hypersonic Aircraft, Douglas E. Wall, AT2:Oct 64:9:4074
TR:130:799

AERO-SPACE TRANSPORT

Aircraft Arresting System, Francis J. Rhody, AT2:Oct 65:45:4493

Airfield Pavement Evaluation Procedures, Philip P. Brown, AT1:Apr 65:15:4299

Airport Accessibility Affects Passenger Development, John F. Brown, AT1:Apr 65:47:4302

Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674

TR:130:63
An Operational Look at Airport Design, Robert C. Huber, AT2:Oct 64:161:4075

TR:130:566
Application of Supersonic Aircraft to Airline Operations, Henry D. Fellows, AT2:Oct 64:25:4103

TR:130:721
ASCE Aero-Space Transport Division National conference Nov. 17-19, Cocoa Beach, Fla., CE:Jun 65:51; Sep 65:44; Program, Oct 65:82

A Study of Hypersonic Aircraft, Douglas E. Wall, AT2:Oct 64:9:4074

TR:130:799
Automobile Parking Requirements at Airports, Wolfgang S. Homburger and William R. Eager, AT2:Oct 64:141:4078

TR:130:805

Baggage Handling: Passenger and Baggage Processing at Air Terminals, Bruno H. Hake, AT2:Oct 63:29:3677

TR:130:203
Civil Aviation to 1970, Robert Horonjeff and Gale Ahlborn, AT1:May 64:1:3891

TR:130:18
Combined Aerodynamic and Structural Design of Light-Weight Flight Structures, Robert W. Fralich, CE:Aug 65:60

Conference on relationships of National Aeronautics and Space Admin. with engineering consultants, CE:Mar 65:74

Economics and Finance in Airport Planning, Belford Brown, AT2:Oct 64:197:4080

TR:130:488
Florida--Criteria for Construction in Creating Another Cape Kennedy Colossus, George H. Kirkland, CE:Oct 65:59

Florida--Last steel placed in Vehicle Assembly Building, CE:Jun 65:91

Forecasting Airport Traffic, Norman L. Johnson, AT2:Oct 64:181:4079

TR:130:665
Forecasting Air Traffic, Ronald E. Miller, AT2:Oct 65:1:4486

Ground Control of Airport Traffic, Robert S. Nickelsberg, AT2:Oct 64:123:4099

TR:130:573
Intercity Travel Characteristics, Ronald W. Pulling, AT1:Apr 65:1:4296

Jet Transport Characteristics Related to Airports, Robert Horonjeff and Gale Ahlborn, AT1:Apr 65:33:4301

Landing Area Facilities: Progress Report of the Committee on Landing Area Facilities, ASCE, John Vreeling, Chmn, AT2:Oct 65:57:4503

Long Range Potential of VTOL Aircraft, R.H. Miller, AT2:Oct 65:13:4487

Operational Experience at Dulles Airport, Arven H. Saunders, AT2:Oct 64:53:4070

TR:130:795
Operations of the Supersonic Transport in the Terminal Area, Francis T. Fox, AT2:Oct 64:59:4102

TR:130:561
Rigid and Stiff Airport Paving, Henry P. Carothers, AT1:May 64:17:3893

TR:130:791
Runway Traction, Francis J. Rhody, AT2:Oct 65:51:4494

Stress Repetitions in Pavement Design, Richard G. Ahlvin and Donald N. Brown, AT2:Oct 65:29:4489

Supersonic Transport Development Program, Ray D. Kelly, AT2:Oct 64:1:4091

TR:130:555

AERO-SPACE TRANSPORT Continued

The Airport and its Approaches, James R. Carr and John R. Eva, AT2:Oct 65:39:4490
Trends in Automobile Parking at Airports, Charles A. Lawler, AT2:Oct 64:69:4076
TR:130:583

AGGREGATES

Highway Research Board report helps solve aggregate-handling problem, CE:Feb 65:82
Lightweight Aggregate Prepared from Fly Ash by Consolidated Edison in New York City, A.S. Pearson, CE:Sep 64:50
TR:130:411

AGRICULTURAL ENGINEERING

Analysis of Water Advance in Surface Irrigation, Yu-Si Fok and A. Alvin Bishop, IR1:Mar 65:99:4259

AGRICULTURE

Engineering Aspects of the Reclamation of Sodic Soils with High-Salt Waters, E.J. Doering and R.C. Reeve, IR4:Dec 65:59:4588

AIRCRAFT

Aircraft Arresting System, Francis J. Rhody, AT2:Oct 65:45:4493
Airfield Pavement Evaluation Procedures, Philip P. Brown, AT1:Apr 65:15:4299
An Operational Look at Airport Design, Robert C. Huber, AT2:Oct 64:161:4075
TR:130:566
Application of Supersonic Aircraft to Airline Operation, Henry D. Fellows, AT2:Oct 64:25:4103
TR:130:721
A Study of Hypersonic Aircraft, Douglas E. Wall, AT2:Oct 64:9:4074
TR:130:799
Civil Aviation to 1970, Robert Horonjeff and Gale Ahlborn, AT1:May 64:1:3891
TR:130:18
Landing Area Facilities: Progress Report of the Committee on Landing Area Facilities, ASCE, John Vreeling, Chmn, AT2:Oct 65:57:4503
Long Range Potential of VTOL Aircraft, R.H. Miller, AT2:Oct 65:13:4487
Runway Traction, Francis J. Rhody, AT2:Oct 65:51:4494
Supersonic Transport Development Program, Ray D. Kelly, AT2:Oct 64:1:4091
TR:130:555

AIR-ENTRAINED CONCRETE

Alabama--Low Cement Content for Mass Concrete in TVA'S Guntersville Lock, J.C. McCraw, CE:Nov 65:70

AIRFIELDS

Military Engineering in Vietnam, Peter A. Corradi, CE:Nov 65:47

AIR POLLUTION

Air Pollution Control in New York State, Alexander Rihm, CE:Feb 64:56
TR:130:89

Air Pollution from Incinerators--Causes and Cures, Leo P. Flood, CE:Dec 65:44

Application of Acoustics in Air Pollution Problems, Joseph C.F. Chow, SA4:Aug 64:59:4005
TR:130:624

Incineration (Symposium)--Air Pollution from Incinerators, Harold G. Meissner, CE:Sep 64:40

TR:130:495
New York City's Air Pollution Index, M.M. Braverman and C. Theophil, CE:Apr 65:64
Problems with High Chimneys, M. Zar, CE:Feb 64:32
TR:130:64
Urban Atmospheric Pollution, Albert F. Bush, CE:May 65:66
Dsc: Herbert E. Clark, Jr., CE:Jul 65:76
M.I. Goldman, CE:Aug 65:74; Author's reply, CE:Aug 65:75

AIRPORTS

Airports and Transit Systems--the Engineer's Challenge, J.K. Carr, CE:Apr 65:38
Dsc: Herbert C. Westfall, CE:Jun 65:72
Aircraft Arresting System, Francis J. Rhody, AT2:Oct 65:45:4493
Airfield Pavement Evaluation Procedures, Philip P. Brown, AT1:Apr 65:15:4299
Airplane Fuel--From Barge to Plane, CE:Jun 64:34
TR:130:478
Airport Accessibility Affects Passenger Development, John F. Brown, AT1:Apr 65:47:4302
Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674
TR:130:63
An Operational Look at Airport Design, Robert C. Huber, AT2:Oct 64:161:4075
TR:130:566
Automobile Parking Requirements at Airports, Wolfgang S. Homburger and William R. Eager, AT2:Oct 64:141:4078
TR:130:805
Baggage Handling: Passenger and Baggage Processing at Air Terminals, Bruno H. Hake, AT2:Oct 63:29:3677
TR:130:203
Civil Aviation to 1970, Robert Horonjeff and Gale Ahlborn, AT1:May 64:1:3891
TR:130:18
Economics and Finance in Airport Planning, Belford Brown, AT2:Oct 64:197:4080
TR:130:488
Forecasting Airport Traffic, Norman L. Johnson, AT2:Oct 64:181:4079
TR:130:665
Ground Control of Airport Traffic, Robert S. Nickelsberg, AT2:Oct 64:123:4099
TR:130:573
Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487
TR:130:263
Jet Transport Characteristics Related to Airports, Robert Horonjeff and Gale Ahlborn, AT1:Apr 65:33:4301

AIRPORTS Continued

Landing Area Facilities: Progress Report of the Committee on Landing Area Facilities, ASCE, John Vreeling, Chmn, AT2:Oct 65:57:4503

Massachusetts--New terminal building for Boston airport, CE:May 65:88

Operational Experience at Dulles Airport, Arven H. Saunders, AT2:Oct 64:53:4070

TR:130:795

Operations of the Supersonic Transport in the Terminal Area, Francis T. Fox, AT2:Oct 64:59:4102

TR:130:581

Planning a National Airport System to Serve the 70's, Cole Morrow, CE:Aug 65:62

Rigid and Stiff Airport Paving, Henry P. Carothers, AT1:May 64:17:3893

TR:130:791

Runway Traction, Francis J. Rhody, AT2:Oct 65:51:4494

Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473

TR:130:215

The Airport and Its Approaches, James R. Carr and John R. Eva, AT2:Oct 65:39:4490

Transportation Centers, Wilbur S. Smith, UP1:Jul 65:19:4396

Trends in Automobile Parking at Airports, Charles A. Lawler, AT2:Oct 64:69:4076

TR:130:583

ALGAE

Effect of Benthic Algae on Stream Dissolved Oxygen, Richard L. O'Connell and Nelson A. Thomas, SA3:Jun 65:1:4345

ALUMINUM

Fatigue of Joints in Aluminum Alloy 6061-T6, Glenn E. Nordmark and John W. Clark, ST6:Dec 64:35:4156

TR:130:744

What Is Available in Structural Aluminum, J. Robert Stemler and John W. Clark, CE:Apr 64:44

TR:130:213

AMERICAN SOCIETY OF CIVIL ENGINEERS**(ASCE) Awards and Prizes**

Board of Direction announces prizes and awards, CE:Jun 65:51

Daniel Mead Prizes to be presented at Mobile, CE:Feb 65:46

Nineteen awards and prizes to be awarded to 23 at Annual Meeting, CE:Oct 65:91

See also (ASCE) Research

(ASCE) Ballots

Tellers canvas nominating ballot for 1966 officers, CE:Jul 65:78

(ASCE) Board of Direction

American Society of Civil Engineers Policy on the Registration of Engineers, and Position Paper with Respect to the Model Law: Report by

the Committee on Registration of Engineers, ASCE, Edward E. Bigelow, Chmn, PP2:Sep 65:11:4460

Board of Direction meets in New York, CE:Jan 65:40

Meets in Kansas City, CE:Nov 65:100

Meets in Minneapolis, CE:Jun 65:78

Meets in Mobile, Ala., CE:Apr 65:81

(ASCE) Code of Ethics

Ethical violation requires expulsion of Mitchell J. Alster, CE:Jul 65:45

Maintaining Ethical Standards, William H. Wisely, CE:Apr 64:31

TR:130:184

(ASCE) Committees

Committee on Plastics to Report at Environmental Engineering Conference, CE:Aug 65:88

Committee on Standards reviews report by Dept. of Commerce Technical Advisory Board, CE:Oct 65:100

Hydraulic Division's Committee on Sedimentation meets Aug 28, CE:Oct 65:97

Task Committee on Continuing Education holds first meeting in Chicago, June 19, CE:Aug 65:90

Transportation Engineering Coordinating Committee recommends Technical Council on Urban Transportation, CE:Aug 65:95

(ASCE) Conferences

Dess, W.M. Sangster and J.F. Friedkin, CE:May 65:72, favoring the ASCE specialty conference

Environmental Engineering Conference and Annual Meeting, Kansas City, Oct. 18-22, Program, CE:Aug 65:76; Sep 65:76; Report Nov 65:56

1965 Pacific Northwest Conference, Richland, Wash., reported, CE:Sep 65:78

Structural Engineering Conference, Miami Beach, Fla., Jan. 31-Feb. 4, 1966; Mexico City meeting to follow, CE:Mar 65:73; Program Nov 65:89; Dec 65:50; Dec 65:74

Technical Programs in ASCE, William H. Wisely, CE:Feb 64:31

TR:130:37

Transportation Engineering Conference, Minneapolis, Minn., May 17-21, CE:Mar 65:42; Program, Mar 65:65; Report, Jun 65:44

Dsc, L.A. Moorhouse, CE:Sep 65:73

Water Resources Engineering Conference, Mobile, Ala., March 8-12, 1965, CE:Dec 64:54; Program, Jan 65:74; Report, Apr 65:46; May 65:82

Dsc, Reed J. Petersen, CE:Jul 65:76;

F. Stewart Brown, CE:Aug 65:75

(ASCE) Education

Civil Engineering Responsibilities and Engineering Education, Wallace L. Chadwick, CE:Jul 65:35

Career guidance program needs ASCE support, CE:Sep 65:79

What ASCE Is Doing, with Policy Statement on Continuing Education, William A. Conwell, CE:May 65:32

(ASCE) Ethics

ASCE says Alabama charges need further investigation, CE:Apr 65:82

Ethical implications of computer services advertising, CE:Jan 65:41

Ethical Problems in Engineering published by well-known engineers-educators, CE:Aug 65:45
Product Endorsement by Engineers, William H. Wisely, CE:Apr 65:41

(ASCE) Executive Secretary

For articles and editorials by, see Name Index, William H. Wisely
W. H. Wisely reappointed to N. Y. State Health Council, CE:Jun 65:79

(ASCE) History

Committee on History and Heritage of American Civil Engineering formed, CE:Mar 65:44

(ASCE) Honorary Members

Camp, Casagrande, and Gilchrist elected Honorary Members, CE: Oct 65:90
Frank Kerekas dies, CE:Dec 65:50
John I. Parcel dies, CE:Jul 65:78
Karl Imhoff dies, CE:Nov 65:104
O. H. Ammann dies, CE:Nov 65:101

(ASCE) Insurance

Dividend credit for ASCE insurance plan announced, CE:Jun 65:81

(ASCE) Local Sections

California--Los Angeles, Sacramento, San Diego, and San Francisco Local Sections organize Committee for Public Action, CE:Dec 65:73

Los Angeles Section presents program on next 50 years in civil engineering, CE:Jul 65:77
Los Angeles section reports on detergent problem, CE:May 65:46

Massachusetts Local Section makes salary survey, CE:Oct 65:97

Metropolitan Section Committee studies award practices, CE:Feb 65:44

Metropolitan Section sponsors symposium on water, CE:Feb 65:72

National Capital Section sponsors panel on highways and monuments, CE:Jun 65:83

Pacific Southwest Council holds annual conference, CE:Jun 65:81

You and Your Local Section, W. L. Chadwick, CE:Apr 65:37

(ASCE) Membership

ASCE members elected to Academy of Engineering, CE:May 65:45

Membership Promotion in ASCE, William H. Wisely, CE:Jun 65:35

Dsc, Fred Camp, CE:Aug 65:75

The Composition of the Engineering Profession, William H. Wisely, CE:Jun 64:33
TR:130:533

(ASCE) National Affairs

ASCE Activity in Public Affairs, William H. Wisely, CE:Aug 64:35
TR:130:351

(ASCE) Officers

Eight new officers to be installed in Oct, CE: Oct 65:88

(ASCE) Outstanding Civil Engineering Achievement Award

Chesapeake Bay Bridge-Tunnel given 1965 award, CE:May 65:44
Four projects in competition for 1965 award, CE:Jan 65:85

(ASCE) Presidents

Wallace L. Chadwick, for articles see name index.

William J. Hedley elected 1966 president, CE:Oct 65:86

William J. Hedley nominated for president, CE:Jun 65:80

(ASCE) Professional Objectives

Are We Geared to Long-Range Objectives?, Wallace L. Chadwick, CE:Jan 65:38

(ASCE) Professional Practice

Interprofessional Relations, William H. Wisely, CE:Aug 65:33

Dsc, Victor W. Buhr, CE:Nov 65:98; Sergei N. Grimm, CE:Nov 65:99; John A. Logan, CE:Nov 65:99

(ASCE) Public Affairs Forum

An Awareness of Reality, Bruce G. Johnston, CE:Jan 65:58

Where Is Engineering Education Today?--From the Educator's Viewpoint, Gene M. Nordby, CE:Feb 65:56

(ASCE) Publications

CIVIL ENGINEERING can help with notices of meetings, CE:Jul 65:80

CIVIL ENGINEERING chosen as outstanding in its class by Printing Industries of Metropolitan New York, Inc., CE:Mar 65:62

Division Journals to become available on subscription basis, CE:Aug 65:45

Second Terzaghi Lecture by Dr. Casagrande available, CE:Aug 65:90

DSC, Anton Tedesko, CE:Oct 65:81

CIVIL ENGINEERING columnist, R. Robinson Rowe retires, CE:Jan 65:91

CIVIL ENGINEERING readers report on articles they liked best, CE:Mar 65:74

Transactions for 1965 available to members, CE:Jan 65:86

Transactions in new form discussed, ASCE: Jan: 65:83; Feb 65:68

(ASCE) Public Relations

ASCE television program, "Metropolitan Planning and Design," scheduled, CE:Apr 65:84; May 65:80

(ASCE) Registration of Engineers

ASCE policy on registration of engineers, CE: May 65:78

(ASCE) Registration of Engineers Continued

Dsc by Richard S. Howe, CE:Jul 65:75, on The Younger Viewpoint, "Time to Re-Tool Registration Requirements," CE:Mar 65:78

(ASCE) Research

ASCE and Colorado State University to study civil engineering research, CE:Aug 65:44

ASCE to co-sponsor conference on urban hydrology research and storm drainage, CE:Mar 65:75

Walter Huber Research Prizes to be presented at Mobile, CE:Feb 65:70

See also (ASCE) Scholarships and Fellowships

(ASCE) Salaries

Massachusetts Local Section makes survey, CE:Oct 65:97

(ASCE) Scholarships and Fellowships

Applications for 1966 scholarships opened, CE:Sep 65:79

David J. Ayres named ASCE Research Fellow, CE:Apr 65:82

Freeman Fellowship awarded to associate professor at Colorado State University, CE:Sep 65:45

O.H. Ammann Research Fellowship in Structural Engineering for 1965 awarded to John Mozer, CE:Sep 65:77

1965-1966 Student Chapter Scholarships awarded, CE:Sep 65:43

(ASCE) Staff

Frank Schneller joins public relations firm, CE:May 65:46

Howard Mattson joins staff of CIVIL ENGINEERING, CE:Aug 65:44

(ASCE) Student Chapters

Certificates of Commendation and Letters of Honorable Mention awarded to Student Chapters, CE:Sep 65:45

1965-1966 Student Chapter Scholarships awarded, CE:Sep 65:43

(ASCE) Surveying and Mapping

National Engineering Surveying conference a part of Environmental Engineering Conference, CE:Nov 65:62

(ASCE) Technical Divisions

Aero-Space Transport Division National Conference, Nov. 17-19, Cocoa Beach, Fla., CE:Jun 65:54; Sep 65:44; Program, Oct 65:82

Coastal Engineering Specialty Conference, Santa Barbara, Calif., Oct. 11-13, Program, CE:Sep 65:68; Report, Dec. 65:73

Construction Division Conference: Quality in Engineered Construction, St. Louis, Mo., June 16-18, Program, CE:Apr 65:76; May 65:45 Report, Aug 65:42

Dsc, B.E. Weinberg, CE:Aug 65:75

Engineering Mechanics Division Conference,

Apr. 12-14, CE:Mar 65:44; Report, Jun 65:80

Engineering Mechanics Division forms Committee on Non-Newtonian Flows, CE:Feb 65:72

Hydraulics Division's Committee on Hydro-meteorology meets in El Paso, Tex., CE:Feb 65:45

Hydraulics Division Conference, Aug 25-27, CE:Jun 65:83; Program, July 65:73

Irrigation and Drainage Division conference, "Development of Total Watershed," Oct. 6-9,

Billings, Mont., CE:Jul 65:79; Program, Sep 65:72; Report, Dec 65:51

Irrigation and Drainage Division conference, El Paso, Tex., Dec. 2-4, 1964, CE:Jan 65:94; Feb 65:71; Apr 65:84

Pipeline Division co-sponsors Pipeline Industry Development Conference, Houston, Texas, Nov. 3-5, Report, CE:Dec 65:51

Power Division's first specialty conference, Denver, Colo., Aug 18-20, CE:Feb 65:46; Mar 65:74; Program, Jun 65:76; Jul 65:79

Practical Results of Hydraulics Research:

Hydraulics Division Committee on Research Reports, Harold M. Martin, Chmn, CE:Aug 64:38

TR:130:347

Sanitary Engineering Division sponsors Symposium on Research, Development and Design, CE:Apr 65:83; Report, Sep 65:42

Structural Division Conference on wood, Chicago, Ill., June 9-11, CE:Apr 65:84; Program, May 35:71; Report, July 65:44

Technical Programs in ASCE, William H. Wisely, CE:Feb 64:31

TR:130:37

Urban Planning and Development Division's Committee on Land Use Planning plans ASCE publication on urban planning, CE:Jul 65:90

Urban Planning and Development Division Conference, San Juan, Puerto Rico, Oct. 28-29, Program, CE:Sep 65:70

Waterways and Harbors Division seeking papers for conference on coastal engineering, CE:Mar 65:74

ANALOGS

Analog Simulations of Earthquake Motions, Howard S. Ward, EM5:Oct 65:173:4522

Electric Analogs in Time-Settlement Problems, Patrick Domenico and Glen Clark, SM3:May 64:33:3892

TR:130:595

Men, Models, Methods, and Machines in Hydrologic Analysis, Willard M. Snyder and John B. Stall, HY2:Mar 65:85:4256

ANALYSIS

Analysis of Continuous Folded Plate Surface, Fred W. Beaufait, ST6:Dec 65:117:4555

ANTARCTICA

Daylight Star Observations in Antarctica, Douglas R. Lee, SU2:Jul 64:75:3971

TR:130:221

ANTENNAS

Arecibo Radar-Radio Telescope--Design and Construction, Thomas C. Kavanagh and David H.H. Tung, COI:May 65:69:4323

APARTMENT BUILDINGS

California--Prestressed concrete apartment tower rises in Long Beach, CE:Feb 65:86
 Illinois--Ground broken for Chicago skyscraper, CE:May 65:85

AQUEDUCTS

California--California Water Project, power plans and demands, Alfred R. Golze, CE:Feb 65:35
 California--Steel pipe for South Bay Aqueduct, Alfred R. Golze, CE:Mar 65:36
 Preliminary Optimization of an Aqueduct Route, Warren A. Hall and John S. Hammond, IR1:Mar 65:45:4248

AQUIFERS

Steam-Aquifer System Analysis, Ali Eshett and Morton W. Bittinger, HY6:Nov 65:153:4545

ARBITRATION

Arbitration in Engineering and Construction, CE:Jul 65:60
 Dsc: M. Harry Wartur, CE:Oct 65:80

ARCH BRIDGES

Brazil--concrete arch links Brazil and Paraguay, CE:May 65:89

ARCH DAMS

Colorado--Reclamation Firsts: Underground Power Plant at Morrow Point Dam, B.P. Bellport, CE:Feb 65:40
 Development of Arch Action in Arch Dams, K. V. Swaminathan, PO1:May 65:39:4329
 Seismic Study of Arch Dams, J. Laginha Serafim and J. Oliveira Pedro, ST2:Apr 65:15:4284
 Valont Reservoir Disaster, George A. Kiersch, CE:Mar 64:32
 Dsc: G.E.H. Ballard, CE:Jul 64:70; Author's reply, CE:Jul 64:70; Carlo Berghinz, CE:Mar 65:63
 TR:130:155
 Yellowtail Dam on Big Horn River, Instrumented for Structural Behavior Studies, Keith Jones, CE:Nov 64:53
 TR:130:567

ARCHES

Aeroelastic Vibration of a Steel Arch, Richard R. Bradshaw, ST3:Jun 64:1:3921
 TR:130:319
 Blast Loading of Small Buried Structures, Jay R. Allgood, ST5:Oct 64:39:4095
 TR:130:554
 Collapse of Arches Under Repeated Loading, Vincenzo Franciosi, Giuliano Augusti, and Renato Sparacio, ST1:Feb 64:165:3803
 TR:130:391

Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
 TR:130:271

Missouri--St. Louis Steel Arch, Symbol of the Spirit of the Pioneers, J.E.N. Jensen, CE:Oct 65:64

Missouri--St. Louis Gateway Arch completed, CE:Dec 65:84

Parabolic Arches of Variable Thickness, Alfred L. Parme and Eugene P. Holland, ST6:Dec 64:65:4162

TR:130:779

Research in Soil Structure Interaction, William J. Flathau, ST4:Aug 65:35:4427

ARCHITECTURE

Aesthetic Considerations in City Construction, Vernon F. Jorgensen, UP1:Jul 65:1:4389

ARCTIC

Arctic Siting and Surveying, Max O. Laird, SU1:Apr 65:1:4287

ARIZONA

Canal Discharge Measurements with Radiotelescopes, Jack C. Schuster, HY2:Mar 65:101:4258

ARKANSAS RIVER

Pumping Test to Determine Permeability Ratio, Charles I. Mansur and Rudy J. Dietrich, SM4:Jul 65:151:4415

ASPHALTS

A City Engineer Talks about Paving, Gilbert B. White, CE:Mar 64:63
 TR:130:278
 Asphalt Paving Equipment, John J. Laing, CE:Jun 64:36
 TR:130:475
 Barge Decks Resurfaced with Asphalts, William P. Helbock, CE:Nov 65:54
 Highway Research Board makes grant for asphalt study, CE:Apr 65:95
 Oregon Sets the Pace on the Interstate, Carl S. Larson, CE:Apr 64:32
 TR:130:196

AUDITORIUMS

A Special Report on the World's Fair, Frank J. Schneller, Jr. CE:Jun 64:54
 TR:130:487
 Civil Engineers Build for the Fair, William Whipple, Jr., CE:Jun 64:50
 Dsc: Paul F. Gugliotta, CE:Sep 64:68
 TR:130:483

AUTOMATION

California--Rapid-Transit Test Track for San Francisco, Leslie A. Irvin, CE:Aug 65:48
 New York--Automatic Garage Attendant Keeps Tabs on Traffic and Tolls, CE:Aug 65:54

AUTOMOBILES

Driveway Approaches Designed for Automobile Access, Albert W. Huelsman, CE:May 64:57
 TR:130:261

AWARDS AND PRIZES

- AISC awards 16 bridges opened in 1964. CE: Dec 65:86
- AISC names 1965 Architectural Awards of Excellence. CE:Aug 65:103
- Alfred Noble prize awarded to electrical engineer. CE:Sep 65:44
- John Fritz Medal awarded to W. K. Lewis. CE:Nov 65:102
- 1966 Moles Awards announced. CE:Dec 65:85
- O. H. Ammann wins National Science Medal. CE:Jan 65:41
- Prestressed Concrete Institute names 10 projects in 1965 Awards Program. CE:Aug 65:104
- Thomas R. Camp Medal established by Water Pollution Control Federation. CE:Feb 65:86
- Washington Award for 1965 goes to Glenn T. Seaborg. CE:Mar 65:43
- Wilbur S. Smith wins Matson Memorial Award. CE:Aug 65:104

BACKWASHING

- Filtration Through Size-Graded Media, Ernest W. J. Diaper and Kenneth J. Ives, SA3:Jun 65: 89:4378

BARGE LIFT

- Belgian 223-Ft Barge Lift Keeps Vessels Afloat on Inclined Railway, Hal W. Hunt and J. K. Huckerby, CE:Dec 64:70
- TR:130:715

BARGES

- Barge Decks Resurfaced with Asphalts. William P. Helbock, CE:Nov 65:54

BEACHES

- Beach Nourishment from Offshore Sources, Herbert C. Gee, WW3:Aug 65:1:4428
- Florida--Jupiter Island uses offshore sources for beach nourishment. CE:Jun 65:95
- Wave Breakers on a Beach and Surges on a Dry Bed, J. C. Freeman and Bernard L. Mehaute, HY2:Mar 64:187:3834
- TR:130:759

BEAM COLUMNS

- Finite Beam-Columns on Elastic Foundation, K. T. Sundara Raja Iyengar and S. Anantharamu, EM6:Dec 63:139:3720
- TR:130:141
- Plastic Behavior of Tubular Beam Columns, Timothy J. Dwyer and Theodore V. Galambos, ST4:Aug 65:153:4446
- Random Vibration of a Beam Column, Masanobu Shinozuka and L. Henry, EM5:Oct 65: 123:4510

BEAMS (Structural)

- Analog Computer Analysis of Static Beams, Robert E. Sennett, III and John Wait, EM2: Apr 65:47:4303
- Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
- TR:130:3

- Behavior of Hybrid Beams Subjected to Static Loads, Ronald W. Frost and Charles G. Schilling, ST3:Jun 64:55:3928

TR:130:604

- Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63: 17:3665

TR:130:85

- Coupled Vibrations of Thin-Walled Elastic Bars, Wai Keung Tso, EM3:Jun 65:33:4358
- Deflection of Circular Curved I Beams, Ross A. Close, ST1:Feb 64:203:3804

TR:130:419

- Depth Selection of Built-Up I-Sections, J. S. Alagia, CE:Dec 64:88

TR:130:687

- Design Charts for Symmetrically Haunched Members, Rayford B. Smith, CE:Aug 65:72
- Design of Concrete Beams and Slabs, Anselm Cefola, CE:Oct 65:83

- Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5: Oct 65:255:4518

- Die Cutting Cuts Cost of Open-Web Steel Beams, Leonard Kates, CE:Jul 64:40

TR:130:313

- Dynamic Response of Beam on Viscoelastic Subgrade, Jan D. Achenbach and Chin-teh Sun, EM5:Oct 65:61:4504

- Effect of Large Alternating Strains on Steel Beams, Vitelmo V. Bertero and Egor P. Popov, ST1:Feb 65:1:4217

- Eigen-Matrix Method for Beams and Plates, Benno Suke Tanimoto, ST5:Oct 63:173:3681

TR:130:103

- Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735

TR:130:164

- Flexural Fatigue Tests of Prestressed Steel I-Beams, W. Daniel Reneker and Carl E. Ekberg, Jr., ST2:Apr 64:131:3868

TR:130:561

- Flexural Strength of Steel and Concrete Composite Beams, Roger G. Slutter and George C. Driscoll, ST2:Apr 65:71:4294

- Flow Graph of Moment Distribution, Chuan C. Feng and Richard D. Benton, ST2:Apr 64:153: 3870

TR:130:218

- General Computer Analysis of Beams, John E. Goldberg, John L. Bogdanoff, and William D. Glauz, EM3:Jun 64:135:3943

TR:130:80

- Inelastic Lateral-Torsional Buckling of Beam Columns, Constanco Miranda and Morris Ojalvo, EM6:Dec 65:21:4563

- Inelastic Steel Beams Under Uniform Moment, Maxwell G. Lay and Theodore V. Galambos, ST6:Dec 65:67:4566

- Influence Lines of Beams on Elastic Foundations, K. T. Sundara Raja Iyengar and S. Anantharamu, ST3:Jun 65:45:4359

- Lateral Stability of Glued Laminated Beams, R. F. Hooley and B. Madsen, ST3:Jun 64:201:3948

TR:130:781

- Lumping of Mass in Calculation Vibration Response, V. H. Neubert, EM1:Feb 64:47:3801

TR:130:219

BEAMS (Structural) Continued

Minimum Weight Plastic Design of Continuous Frames, Donald A. Sawyer and Linton E. Grinter, EM3:Jun 64:39:3927

TR:130:711

Moment Coefficients for Fixed-End Beams to be Used in the Three-Moment Equation, Thomas D.Y. Fok and Thomas F. Mosure, CE:Aug 64:78
Dsc: F.P. Wiesinger, CE:Nov 64:73

TR:130:449

On Composite Beams, William R. Spillers, ST4:Aug 65:17:4423

On the Shock Response of Inelastic Beams, Kenneth E. Blanchard and Albert B. Shultz, EM5:Oct 65:27:4500

Orthotropic Beams Under Polynomial Loads, Isadore K. Silverman, EM5:Oct 64:293:4101

TR:130:634

Plastic Analysis and Design of Non-Prismatic Members, Bruce G. Rogers and William H. Munse, Jr., ST5:Oct 65:299:4519

Reinforcement Requirements for Girder Web Openings, Edmund P. Segner, Jr., ST3:Jun 64:147:3919

TR:130:645

Restraints Against Elastic Lateral Buckling, Lewis C. Schmidt, EM6:Dec 65:1:4561

Role of Strain Hardening in Plastic Design, Maxwell G. Lay and Paul D. Smith, ST4:Jun 65:25:4355

Section Modulus of Beams with Unsymmetrical Cover Plates, Tom L. Underwood, CE:Mar 64:66

Dsc: John V. Rignani, CE:Jul 64:71

TR:130:286

Shock Response of a Simple Beam on Nonlinear Supports, Theodore R. Taichert and Robert S. Ayre, EM6:Dec 65:91:4570

Strength and Behavior of Deep Beams in Shear, H.A. Rawdon de Paiva and Chester P. Siess, ST5:Oct 65:19:4496

Strength of Elastically Stabilized Beams, Robert W. Haussler, ST3:Jun 64:219:3951

TR:130:637

Strength of Single-Story Steel Frames, Joseph A. Yura and Theodore V. Galambos, ST5:Oct 65:81:4507

Stresses in a Layered Half-Plane, K.T. Sundara Raja Iyengar and R.S. Alwar, EM4:Aug 64:79:4004

TR:130:404

Wood Beams Prestressed with Bonded Tension Elements, John Peterson, ST1:Feb 65:103:4218

BEARING CAPACITY

Approximation for Terzaghi's Bearing Capacity Factors, Raymond J. Krizek, SM2:Mar 65:1:4247

Crushable Materials for Structural Blast Shields, Martin A. Salmon and Carl J. Costantino, ST3:Jun 65:229:4384

Dynamic Structural Analysis with Short Time History, George L. Henderson, ST3:Jun 65:1:4352

Load Transfer in a Step-Taper Pile, Elio D'Appolonia and John A. Hribar, SM6:Nov 63:57:3700

TR:130:353

Prediction of Pile Capacity by the Wave Equation, Paul W. Forehand and Joseph L. Reese, Jr., SM2:Mar 64:1:3820

TR:130:399

Variable-Factors Theory of Bearing Capacity, George C.Y. Hu, SM4:Jul 64:85:3969

TR:130:291

BIDS

Metropolitan Section Committee studies award practices, CE:Feb 65:44

BLASTING

Analysis of Blast Effects on Pipelines, George M. McClure, Thomas J. Atterbury, and Noah A. Frazier, PL2:Nov 64:25:4137

TR:130:603

Blasting Design Criteria, Marvin Gates, CE:Jun 64:54

TR:130:269

New Light on Blasting Vibration Effects, Harold H. White, CE:Apr 64:61

TR:130:252

Subway Tunnel Construction in New York City, Gail B. Knight, CO2:Sept 64:15:4032

TR:130:503

BOLTS

Analysis of Bolted Butt Joints, John W. Fisher and John L. Rumpf, ST5:Oct 65:181:4513

Behavior of Fasteners and Plates with Holes, John W. Fisher, ST6:Dec 65:265:4587

Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731

TR:130:295

Calibration Tests of A490 High-Strength Bolts, Gordon H. Sterling, Emile W.J. Troup, Eugene Chesson, Jr., and John W. Fisher, ST5:Oct 65:279:4515

Criteria for Designing Bearing-Type Bolted Joints, John W. Fisher and Lynn S. Beedle, ST5:Oct 65:129:4511

High Strength Bolted Moment Connections, Richard T. Douty and William McGuire, ST2:Apr 65:101:4298

High-Strength Bolts Subjected to Tension and Shear, Eugene Chesson, Jr., Norberto L. Faustino, and William H. Munse, ST5:Oct 65:155:4512

Long Bolted Joints, Robert A. Bendigo, Roger M. Hansen, and John L. Rumpf, ST6:Dec 63:187:3727

TR:130:274

Misalignment in Bolted Joints, Desi D. Vasarhelyi and William N. Chang, ST4:Aug 65:1:4422
Shear Strength of High-Strength Bolts, James J. Wallaert and John W. Fisher, ST3:Jun 65:99:4368

Stronger Structural Bolt--Will Cut Costs, Speed Construction, Fred E. Graves and William A. Milek, CE:Nov 64:48

TR:130:557

BORINGS

Standard Penetration Test: Its Uses and Abuses, Gordon F.A. Fletcher, SM4:Jul 65:67:4395

BRACING

Inelastic Steel Beams Under Uniform Moment, Maxwell G. Lay and Theodore V. Galambos, ST6:Dec 65:67:4566

BREAKWATERS

Rubble-Mound Breakwater Design for Refuge Harbor, John R. Hyland, WW4:Nov 64:87:4139

TR:130:597

Wave Breakers on a Beach and Surges on a Dry Bed, J. C. Freeman and Bernard L. Mehaute, HY2: Mar 64:187:3834

TR:130:759

BRIDGE PIERS

Post-tensioned Viaduct Piers, Edward P. Keiner, Jr., CE:Jan 65:72

BRIDGES (Structures)

AISC awards 16 bridges opened in 1964, CE: Dec 65:86

AISC honors most beautiful steel bridges opened between Jan 1963 and Oct 1964, CE: Jan 65:99

Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584

TR:130:3

A Tunnel Favored for English Channel Crossing, John O. Bickel, CE:Jul 64:35

TR:130:304

Bolted Bridge Behavior During Erection and Service, Eugene Chesson, Jr., ST3:Jun 65:57: 4365

Bridge Costs, Harris K. Mauzy and William J. Yusavage, CE:May 64:50

TR:130:133

Bridges on Stockholm Motorway, S. Lund, CE:Dec 64:62

TR:130:731

California Builds Experimental Orthotropic Plate Bridge, Raymond E. Davis and Ostap Bender, CE:Nov 64:62

Dsc: Roman Wolchuk, CE:Jan 65:83

TR:130:547

California--Winter floods destroy bridges, CE:Feb 65:80

Canada--Bridge-tunnel to connect New Brunswick and Prince Edward Island, CE:Sep 65:90

Delaware--Contract let for Delaware Memorial Bridge twin span, CE:Feb 65:86

Delaware--Steel erection begun on Delaware Memorial Bridge, CE:Dec 65:88

Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5: Oct 65:255:4518

Direct Stress Analysis of Orthotropic Bridge Slabs, Alexander Coull, ST2:Apr 64:1:3856

TR:130:13

Effect of Floods and Obsolescence on Bridge Life, Manuel A. Benson and N.C. Matalas, HW1:Jan 65:55:4208

Effect of Spur Dikes on Flow Through Contractions, E. Robert Hedman, HY4:Jul 65:155:4412

England--London Bridge to be replaced, CE:Sep 65:87

Handbook on bridge design available from U.S. Steel, CE:Nov 65:116

Japan--Longest bridge may be built across Tokyo Bay, CE:Feb 65:80

Model Balsa-Wood Bridges in Education, Boyd C. Ringo, CE:Feb 64:48

Dsc: S. Chriss, CE:May 64:62

TR:130:83

New Jersey--Approaches to Goethals Bridge to be improved, CE:Feb 65:84

New York--Bridge over Long Island Sound proposed, CE:Apr 65:95

New York--Linseed-Oil Protection for New York State Thruway Bridges, Robert J. Walsh, CE:Jul 65:39

New York--World's largest pile driver helps build Riker's Island Bridge in New York City, CE:Apr 65:98

Pennsylvania--Trolley system aids railroad bridge repair, CE:Oct 65:106

Portugal--Roadway for Tagus River Bridge begun, CE:Jul 65:85

Post-tensioned Viaduct Piers, Edward P. Keiner, Jr., CE:Jan 65:72

Precast Segmental Construction for Long-span Bridges, Ben C. Gerwick, CE:Jan 64:43

TR:130:44

Seattle Viaduct Redesigned Using CPM, Roy W. Morse, John E. Arnberg, Douglas L. Jonas, CE:Oct 64:46

TR:130:523

Seismic Analysis of Bridges on Long Piles, Joseph Penzien, Charles F. Scheffey, and Richard A. Parmelee, EM3:Jun 64:223:3953

TR:130:321

South Carolina--Second Cooper River Bridge nears completion, CE:Nov 65:113

Steel Deck Bridges with Long Rib Spans, Roman Wolchuk, CE:Feb 64:53

TR:130:115

The Additional Cooper River Bridge, Frederick H. Sterbenz, CE:Oct 64:41

TR:130:513

The Case for the Galvanized Bridge, J.R. Hall, CE:Nov 64:31

Dsc, R.K. Bernhard, CE:Mar 65:64

TR:130:564

Two books on bridges reviewed, CE:Dec 65:88

Ultimate Strength Design for Highway Bridges, Howard L. Payne and Lamar H. Caldwell, ST5: Oct 65:43:4499

Virginia--Chesapeake Bay Bridge-Tunnel project given ASCE's Outstanding Civil Engineering Award for 1965, CE:May 65:44

Winter weather effects on bridge floors to be studied at Univ. of Illinois, CE:Jun 65:94

See also under specific headings, such as SUSPENSION BRIDGES, etc.

BUCKLING

Axisymmetrical Deflections of Shallow Conical Shells, G.A. Wempner, EM2:Apr 64:181:3877

TR:130:628

Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665

TR:130:85

BUCKLING Continued

- Buckling Behavior of an Inelastic Column, Allan J. Malvick and Lawrence H.N. Lee, EM3: Jun 65:113:4372
- Buckling Loads for Elastically Supported Struts, A. Raymond Toakley, EM3:Jun 65: 205:4379
- Buckling Loads for Stepped Columns, John W. Harvey, ST2:Apr 64:201:3873
- TR:130:618
- Buckling of a Prestressed Circular Ring, John E. Goldberg and John L. Bogdanoff, ST4:Aug 64: 235:4018
- TR:130:767
- Buckling of Elastically Restrained Columns, German Gurfinkel and Arthur R. Robinson, ST6: Dec 65:159:4574
- Buckling of Longitudinally Stiffened Cylinders, Jeng C. Shang, Walter J. Marulic, and Rolland G. Sturm, ST5:Oct 64:161:4115
- TR:130:667
- Buckling of Multistory Buildings, John E. Goldberg, EM1:Feb 65:51:4223
- Buckling of Three-Legged Columns with Batten Bracing, Jorge Y. Tamayo and Morris Ojalvo, ST1:Feb 65:141:4224
- Buckling Strength of Circular Tubes, Charles G. Schilling, ST5:Oct 65:325:4520
- Creep Buckling of Slender Columns, Jose N. Distefano, ST3:Jun 65:127:4369
- Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161: 3721
- TR:130:451
- Development of Boundary Layers in Buckled Plates, Ernest F. Masur and C.H. Chang, EM2: Apr 64:33:3863
- TR:130:67
- Dynamic Instability of a Deep Spherical Shell, Fang-Huai H. Ho, EM3:Jun 65:233:4382
- Elastic and Inelastic Buckling of Portal Frames, Kuang-Han Chu and Algis Pabarcus, EM5:Oct 64: 221:4094
- TR:130:773
- Elastica Supported at Midpoint by a Spring, George E. Sliter and Arthur P. Boresi, EM2: Apr 64:1:3854
- TR:130:147
- Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6: Dec 63:217:3736
- TR:130:173
- Experimental Buckling of Thin Shells of Revolution, John J. Burns, Jr., EM3:Jun 64:171:3946
- TR:130:528
- Experiments on Stability on Spherical Caps, Ta-Cheng Loo and Ross M. Evarfi-Iwanowski, EM3:Jun 64:255:3956
- TR:130:69
- Face-Wrinkling Mode of Buckling of Sandwich Panels, Billy J. Harris and W.C. Crisman, EM3:Jun 65:93:4370
- Flange Local Buckling in Wide-Flange Shapes, Maxwell G. Lay, ST6:Dec 65:95:4554
- Inelastic Buckling of Steel Frames, Le-Wu Lu, ST6:Dec 65:185:4577

Inelastic Lateral-Torsional Buckling of Beam Columns, Constancio Miranda and Morris Ojalvo, EM5:Dec 65:21:4563

Lateral Stability of Glued Laminated Beams, R.F. Hooley and B. Madsen, ST3:Jun 64:201: 3948

TR:130:781

Load-Deformation Behavior of Shells of Revolution, Steven C. Batterman, EM6:Dec 64:1: 4167

TR:130:704

Membrane Forces and Buckling in Reticulated Shells, Douglas T. Wright, ST1:Feb 65:173:4227

Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588

TR:130:51

Restraints Against Elastic Lateral Buckling, Lewis C. Schmidt, EM6:Dec 65:1:4561

Role of Strain Hardening in Plastic Design, Maxwell G. Lay and Paul D. Smith, ST3:Jun 65: 25:4355

Solution of Buckling Problems by Reduction Method, P. Shuleshko, EM3:Jun 64:147:3945

TR:130:315

Stability of Structures with Small Imperfections, John Roorda, EM1:Feb 65:87:4230

Strength of Elastically Stabilized Beams, Robert W. Haussler, ST3:Jun 64:219:3951

TR:130:337

Strength of Single-Story Steel Frames, Joseph A. Yura and Theodore V. Galambos, ST5:Oct 65: 81:4507

Torsional-Flexural Buckling of Thin-Walled Members, Alexander Chajes and George Winter, ST4:Aug 65:103:4442

Vibrations and Stability of Buckled Panels, Yao W. Chang and Ernest F. Masur, EM5:Oct 65:1: 4497

BUILDING CODES

Charts Simplify Reinforced-Masonry Design, J.N. Littlefield, CE:Aug 65:73

The New Welding Code for Buildings, Arsham Amirikian, CE:Aug 64:56

TR:130:396

Welding Codes Updated, addenda issued to AWS Building Code and Bridge Specification, CE: May 65:69

BUILDINGS

Apollo-a Trip to the Moon--symposium, (1) Vehicle Assembly Building--Project Description, Organization and Procedures, William D. Alexander, CE:Jan 65:42; (2) Design of the Vehicle Assembly Building, Anton Tedesko, Jan 65:45; (3) VAB--Design of Foundations, Philip C. Rutledge, Jan 65:50

Dec: E.M.T. Ryder, CE:Apr 65:80

Buckling of Multistory Buildings, John E. Goldberg, EM1:Feb 65:51:4223

California--Contract let for \$17 million VA building in Long Beach, CE:Feb 65:81

Combination Water Systems for High-Rise Buildings, G.D. Testin, CE:Apr 65:65

Concrete Need Not Hibernate, Howard C. Wiechman, CE:Nov 65:78

BUILDINGS Continued

Design of Haunched Beams by Fixed Points,
Stanton E. Huey, ST2:Apr 64:13:3858

TR:130:613

Florida--Last steel placed in Vehicle
Assembly Building, CE:Jun 65:91

Florida--Liaison Insures Quality Control for
Vehicle Assembly Building at Cape Kennedy,
Charles I. Orr, CE:Oct 65:56

Foundations on Fissured Limestone--How They
Were Selected, Henry M. Reitz, CE:Sep 65:52

Generalization of Hardy Cross Method, Lino
Quirko, ST5:Oct 65:57:4502

Jackson, Miss. in 2039, A. D. CE:Apr 65:59

Dsc: George C. Stewart, CE:Jul 65:75

"National Building News Service" started, CE:
Apr 65:99

Ohio--Dormitory and Dining Hall completed
for Ashland College, CE:Feb 65:83

Precompression for Support of Shallow Founda-
tions, Earl P. Aldrich, Jr., SM2:Mar 65:5:4267

Slenderness Effects in Buildings, Emilio
Rosenbluth, ST1:Feb 65:229:4235

Structural Maintenance--the Third Element in
the Structural Engineer's Professional Package.

T. C. Kavanagh and S. M. Johnson, CE:May 65:52

The Alaska Earthquake--Effect on Buildings,
E. F. Rice, CE:May 64:52

Dsc, James L. Stratta, CE:Aug 64:79;

author's reply, Aug. 64:79

TR:130:223

Thermal Stresses due to Unequal Thermal
Coefficients of Concrete and Reinforcing Steel.

T. A. Holm, CE:Feb 65:63

The Role of the Civil Engineer in Civil Defense,
Neal Fitz Simons, CE:Mar 64:58

TR:130:118

Vibrational Transfer from Shear Buildings to
Ground, Lydik S. Jacobsen, EM3:Jun 64:21:3924

TR:130:691

CABLES

Arecibo Radar-Radio Telescope--Design and
Construction, Thomas C. Kavanagh and David H.
H. Tung, CO1:May 65:68:4323

Cable Movements Under Two-Dimensional
Loads, W. Terence O'Brien and Arthur J.
Francis, ST3:Jun 64:89:3929

TR:130:737

Stress Analysis of Prestressed Suspended
Roofs, Avinadav Siev and J. Eidelman, ST4:Aug
64:103:4008

TR:130:518

CAISSONS

Sweden--Building Foundation Built as a
Caisson for Port Storage in Stockholm, Hal W.
Hunt, CE:Jan 65:60

CALIFORNIA

Computer Simulation of Estuarial Networks,
Robert P. Shubinski and James C. McCarty,
HY5:Sep 65:33:4470

Stabilization of Sand Dunes at Vandenberg Air
Force Base, John Peters and Joe Sciandrone,
SM4:Jul 64:97:3976

TR:130:344

CANALS

A Sea-Level Canal to Link the Atlantic and the
Pacific, Senator Warren G. Magnuson, CE:Aug
64:70

TR:130:405

Belgian 223-Ft Barge Lift Keeps Vessels
Afloat on Inclined Railway, Hal W. Hunt and
J. K. Huckerby, CE:Dec 64:70

TR:130:715

California--USBR lets contract for Tehama-
Colusa canal CE:Aug 65:103

Canal Discharge Measurements with Radio-
isotopes, Jack C. Schuster, HY2:Mar 65:101:
4258

Capacity Tests in Large Concrete-Lined

Canals, Paul J. Tilp, HY3:May 65:189:4337

Florida--The Cross-Florida Barge Canal
under Construction, F. O. Biehn, CE:May 65:48

Inland Water Transportation in Poland,
Fryderick Tomala, WW1:Feb 65:1:4231

Members named to Panama Canal Commission,
CE:Jun 65:95

Nuclear Excavation of a Sea-Level Isthmian
Canal, Ernest Graves, Jr., CE:Oct 64:48

TR:130:461

Plastic Surgery on Irrigation Areas, Kent S.
Ehrman, CO1:Mar 64:47:3837

TR:130:29

The Amazing Pennsylvania Canals, W. H.
Shank, CE:Jan 65:66

Theoretical Aspects of Seepage from Open
Channels, Herman Bouwer, HY3:May 65:37:
4321

Transitions for Canals and Culverts, William
P. Simmons, HY3:May 64:115:3918

TR:130:35

Underwater Inspection of Test Fill in Gatun
Lake for Dam to Serve Panama Canal, Anthony
P. Mann, CE:May 64:31

TR:130:241

CAVITATION

Construction Finishes and High-Velocity Flow,
James W. Ball, CO2:Sept 63:91:3646

TR:130:382

Pressure Generated by Cavitation in a Pipe,
Wen-Hsiung Li and James P. Walsh, EM6:Dec
64:113:4168

TR:130:789

Water Jet Pump, N. H. G. Mueller, HY3: May
64:83:3908

TR:130:J11

CEMENTS

Vacuum-Cast Refractory Castables, David J.
Damiano, ST5:Oct 64:85:4107

TR:130:539

CHANNELS (Waterways)

A Study on Refraction of Waves in Prismatic
Channels, Khalil I. Beitinjani and Ernest F.
Brater, WW3:Aug 65:37:4434

Channel Stabilization of Alluvial Rivers:
Report of the Task Committee on Channel Stabi-
lization Works, ASCE, Harvill E. Weller,
Chmn, WW1:Feb 65:7:4236

CHANNELS (Waterways) Continued

- Control Structures for Sand-Bed Channels, Frederick C. Stepanich, Daryl B. Sirions, and Everett V. Richardson, WW2:May 64:1:3895
TR:130:485
- Critical Analysis of Open-Channel Resistance, Hunter Rouse, HY4:Jul 65:1:4387
- Dispersion Measurement in Open Channels, Calvin C. Patterson and Earnest F. Gloyna, SA3:Jun 65:17:4347
- Domain Variations in Channel Seepage Flow, Hubert J. Morel-Seytoux, HY2:Mar 64:55:3822
TR:130:176
- End Depth for Circular Channels, N. Rajaratnam and D. Muralidhar, HY2:Mar 64:99:3828
TR:130:407
- End Depth for Exponential Channels, N. Rajaratnam and D. Muralidhar, IR1:Mar 64:17:3819
TR:130:765
- Erosion and Deposition of Cohesive Soils, Emmanuel Partheniades, HY1:Jan 65:105:4204
- European Concepts of Sediment Transportation, John L. Bogardi, HY1:Jan 65:29:4195
- Generalized Critical Slope for Trapezoidal Channels, Llewellyn E. Jones and Bijoy N. Tripathy, HY1:Jan 65:85:4202
- Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29:3699
TR:130:625
- Hydraulic Jump in all Shapes of Horizontal Channels, HY1:Jan 64:23:3754
TR:130:75
- Influence of Soil Types on Stabilization of the Savannah River, William J. Wall, WW3:Aug 65:7:4430
- Natural Roughness Effects in Rigid Open Channels, A.G. Mirajgaoaker and K.L.N. Charlu, HY5:Sep 63:29:3630
TR:130:544
- Plastic Surgery on Irrigation Areas, Kent S. Ehrman, CO1:Mar 64:47:3837
TR:130:29
- Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
TR:130:127
- Shear and Velocity Distribution in Shallow Channels, H. Lundgren and Ivar G. Jonsson, HY1:Jan 64:1:3752
TR:130:693
- Stability of Channels by Armorplating, Dase E. Hallmark and George L. Smith, WW3:Aug 65:117:4452
- Stabilizing the Lower Mississippi River, Ellsworth I. Davis and Ernest B. Lipscomb, CE:Nov 65:64
- Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574
TR:130:299
- Turbulent Flow in a Three-Dimensional Channel, Hubert J. Tracy, HY6:Nov 65:9:4530
- Two-Dimensional Flow Over Sills in Open Channels, Gary Z. Watters and Robert L. Street, HY4:Jul 64:107:3967
TR:130:766

CHIMNEYS

- Problems with High Chimneys, M. Zar, CE:Feb 64:32
TR:130:64
- Slipforming a Chimney 450 Ft High in Nottingham, Ole Wewer, CE:Dec 64:74
TR:130:739

CHURCHES

- Illinois--Church at Niles features large clear-span dome. CE:Sep 65:88

CITY PLANNING

- Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
TR:130:498
- Evaluating Urban Transportation Systems, George Haikalis and E. Wilson Campbell, CPI:Sep 63:1:3626
TR:130:479
- Interdisciplinary Education for Urban Planning, Harold L. Michael, PP1:Jan 64:29:3751
TR:130:797
- Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
TR:130:209

CIVIL DEFENSE

- New Trends in Fallout Protection, Seymour Wengrovitz, and Gordon W. Hirtle, CE:Jul 65:47
- The Role of the Civil Engineer in Civil Defense, Neal Fitz Simons, CE:Mar 64:58
TR:130:118
- Three courses in nuclear defense design offered, CE:Oct 65:107

CIVIL ENGINEERS

- See also Department, "Who Am I?" in each issue of CIVIL ENGINEERING beginning with March 1965.

CLAY (Material)

- Consolidation Coefficient: Cohesive Soil Mixtures, Robert L. Kondner and José R. Vendrell, Jr., SM5:Sept 64:31:4021
TR:130:629
- Effect of Preconsolidation on Settlements, Leo Casagrande, SM5:Sept 64:349:4041
TR:130:578
- Effects of Driving Displacement Piles in Lean Clay, Wesley G. Hiltz and Clemith A. Lowitz, SM5:Sep 65:1:4476
- Foundation Behavior of Iron Ore Storage Yards, Ralph B. Peck and Tonis Raamot, SM3:May 64:85:3902
TR:130:783
- In-Situ Strength Characteristics of Soft Clays, I. Noorany and H. Bolton Seed, SM2:Mar 65:49:4274
- Measuring Instruments for Strutt Excavating, Lauritis Bjerrum, Cameron Kenney, and B. Kjaernsli, SM1:Jan 65:111:4210
- Permeability of Compacted Clay, James K. Mitchell, Don R. Hooper, and Richard G. Campenella, SM4:Jul 65:41:4392

CLAY (Material) Continued

Problems of Off-Road Transportation, Louis J. Goodman and Ronald A. Liston, HW1:Jan 64: 1:3761

TR:130:53

Radial Drainage Oedometer for Laminated Clays, D.H. Shields and P.W. Rowe, SM1: Jan 65:15:4198

Settlement Analyses, A Review of Theory and Testing Procedures, H. Bolton Seed, SM2: Mar 65:39:4275

Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691

TR:130:303

Some Swelling Characteristics of Compacted Clays, James V. Parcher and Ping-Chuan Lin, SM3:May 65:1:4316

Stability of Cuts in Soft Soils, T.C. Kenney, SM5:Sept 63:17:3647

TR:130:171

Stress-Strain Modulus of Clay in Undrained Shear, Charles C. Ladd, SM5:Sept 64:103:4039

TR:130:589

Surface Area Measurements and Adsorption of Soils, Michael J. Suess, IR1:Mar 64:87:3841

TR:130:131

The Use of Free Ends in Triaxial Testing of Clays, Laing Barden and J.W. McDermott, SM6:Nov 65:1:4535

CLIMATOLOGY

Irrigation Planning Using Climatological Data, Edward H. Wiser, IR4:Dec 65:1:4551

Irrigation Water Requirements of Lawns, Tyler H. Quackenbush and John T. Phelan, IR2: Jun 65:11:4350

COACHELLA VALLEY, CALIFORNIA

Tile Drainage Performance, Coachella Valley, California, Arthur F. Pillsbury, J.R. Spencer, William R. Johnston, and L.O. Weeks, IR2: Jun 65:1:4344

COASTAL ENGINEERING

Coastal Engineering in Japan, R.L. Wiegel and Kiyoshi Horikawa, CE:Dec 64:76

TR:130:719

Coastal Engineering Specialty Conference, Santa Barbara, Calif., Oct. 11-13, Program, CE:Sep 65:68; Report, Dec 65:73

COEFFICIENTS

Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584

TR:130:3

Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710

TR:130:258

Comparison of Simplified Theories for Folded Plates, Graham H. Powell, ST6:Dec 65:1:4552

Consolidation Coefficient: Cohesive Soil Mixture, Robert L. Kondner and José R. Vendrell, Jr., SM5:Sept 64:31:4021

TR:130:629

End Depth for Circular Channels, N. Rajaratnam and D. Muralidhar, HY2:Mar 64:99:3828

TR:130:407

Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735

TR:130:164

Irrrotational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591

Moment Coefficients for Frame Analysis, Frederick P. Wiesinger, Seng-Lip Lee and John F. Fleming, ST6:Dec 63:1:3712

TR:130:39

COLD WEATHER CONSTRUCTION

Alaska--Plastic Insulation vs. Deep Trenching for Seldovia Water Mains, Frank Nyman, CE: Mar 65:40

Alaska--Utilities for a Relocated Town in Valdez, James W. Poirot, CE:Mar 65:50

Canada--Winnipeg Favors Utility Construction in Winter, W.S. Brock, CE:Jul 65:66

Concrete Need Not Hibernate, Howard C. Wiechman, CE:Nov 65:78

Do's and Don'ts of Cold-Weather Concreting, A.T. Hersey, CE:Jul 65:36

Sanitary Engineering in Alaska, Amos J. Alter, CE:Mar 64:48

Dsc: Neil L. Drobny, CE:May 64:62

TR:130:145

South Dakota--Oahe Dam protected against cold weather, CE:Jul 65:86

The Long Thermopile, Erwin L. Long, CE: Apr 64:36

TR:130:189

Utah--Lift Slabs (in Salt Lake City) Cast under Plastic Cover for Raising in Spring, Robert Sawyer, CE:Jul 65:42

Winter weather effects on bridge floors to be studied at Univ. of Illinois, CE:Jun 65:94

COLLECTIVE BARGAINING

Collective Bargaining for Municipal Engineers, Herman P. Zanoni, CE:Sep 65:50

To Bargain or Not to Bargain, E. Lawrence Chandler, CE:Aug 65:41

COLORADO RIVER

Determining Bank Storage of Lake Mead, Paul A. Rechard, IR1:Mar 65:141:4268

Future Quantity and Quality of Colorado River Water, Raymond A. Hill, IR1:Mar 65:17:4244

COLUMBIA RIVER

Flow Measurements at Columbia River Power Plants, Nicholas A. Dodge, HY2:Mar 65:125: 4263

Prestressed Anchorage for Large Tainter Gate, Andrew Eberhardt and Jan A. Veltrop, ST6:Dec 64:123:4170

TR:130:757

COLUMNS (Structural)

Biaxial Flexure of Columns by Analog Computers, Sherwood P. Prawel, Jr., and George C. Lee, EM1:Feb 64:83:3805

TR:130:185

COLUMNS (Structural) Continued

- Buckling Behavior of an Inelastic Column, Allan J. Malvick and Lawrence H. N. Lee, EM3:Jun 65:113:4372
- Buckling Loads for Stepped Columns, John W. Harvey, ST2:Apr 64:201:3873
TR:130:618
- Buckling of Elastically Restrained Columns, German Gurfinkel and Arthur R. Robinson, ST6:Dec 65:159:4574
- Buckling of Steel Columns Under Arbitrary End Loads, Seng-Lip Lee and G.F. Hauck, ST2:Apr 64:179:3872
TR:130:73
- Buckling of Three-Legged Columns with Batten Bracing, Jorge Y. Tamayo and Morris Ojalvo, ST1:Feb 65:141:4224
- Buckling Strength of Circular Tubes, Charles G. Schilling, ST5:Oct 65:325:4520
- Creep Buckling of Slender Columns, Jose N. Distefano, ST3:Jun 65:127:4369
- Design of Footing for Exposed Exterior Column, Yin-chow Chang, SM4:Jul 65:77:4401
- Dynamic Stability of Axially Vibrating Columns, I. K. McIvor, EM6:Dec 64:191:4177
TR:130:714
- Iterative Limit Load Analysis for Tall Frames, Niels C. Lind, ST2:Apr 64:103:3867
TR:130:661
- Regression Analysis of Reinforced Concrete Columns, Hareesh C. Shah, ST1:Feb 64:37:3785
TR:130:345
- Stability of Elasto-Plastic Wide-Flange Columns, George F. Hauck and Seng-Lip Lee, ST6:Dec 63:297:3738
TR:130:94
- Strength of Round Steel Columns, Theodore V. Galambos, ST1:Feb 65:121:4219
- Strength of Single-Story Steel Frames, Joseph A. Yura and Theodore V. Galambos, ST5:Oct 65:81:4507
- Structural Subassemblies Prevented from Sway, Victor Levi, George C. Driscoll, Jr., and Le-Wu Lu, ST5:Oct 65:103:4509
- Torsional-Flexural Buckling of Thin-Walled Members, Alexander Chajes and George Winter, ST4:Aug 65:103:4442
- Zero Sidesway Axis of Rigid Frames, A. J. Celis and P. Glockner, ST5:Oct 63:65:3662
TR:130:19

COMPACTING

- Pore Water Pressures in Unsaturated Soils, Roy E. Olsen and Leonard J. Langfelder, SM4:Jul 65:127:4409
- Soil Surface Compaction with a Foam-Type Explosive, L.J. Goodman, A.R. Aidun, and C.S. Grove, Jr., SM1:Jan 65:143:4211

COMPOSITE CONSTRUCTION

- Composite Design Cuts Cost of Small Warehouse, Edward B. Finkel, CE:Aug 65:46

COMPUTATION

- Comparison of Simplified Theories for Folded Plates, Graham H. Powell, ST6:Dec 65:1:4552
- Generalization of Hardy Cross Method, Lino Quirko, ST5:Oct 65:57:4502

- Guide to Development and Use of Electronic Computer Programs: Engineering Analysis, Elwyn H. King, ST6:Dec 64:25:4154
TR:130:775

- Relationship of Offset Center Line to Given Base Line, Winslow T. Shearman, SU2:Sep 65:39:4479

- Spiral Problems for an Electronic Computer, Elias C. Toniaas, HW2:Dec 65:101:4590

COMPUTERS

- A Cooperative Computer Center, New Concept for Consulting Engineers, Charles P.C. Tung and David Carsen, CE:Sep 64:56
- Dsc: Morton B. Lipetz, CE:Feb 65:68
TR:130:401
- Analog Computer Analysis of Static Beams, Robert E. Sennett, III and John Wait, EM2:Apr 65:47:4303
- Analog Simulations of Earthquake Motions, Howard S. Ward, EM5:Oct 65:173:4522
- Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
TR:130:3
- Analysis of Continuous Folded Plate Surface, Fred W. Beaufait, ST6:Dec 65:117:4555
- Analysis of Multicell Box Gates for Dry Docks, Mohamed Ali El-gaaly, ST3:Jun 65:171:4380
- Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
TR:130:139
- Analysis of Sewage Treatment Systems by Simulation, M. Mead Montgomery and Walter R. Lynn, SA1:Feb 64:73:3807
TR:130:361
- Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
TR:130:498
- Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, L.R. Shaffer, EM6:Dec 63:47:3734
TR:130:296
- Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710
TR:130:258
- Biaxial Flexure of Columns by Analog Computers, Sherwood P. Prawel, Jr., and George C. Lee, EM1:Feb 64:83:3805
TR:130:185
- California--Computer control for San Francisco Bay Area Rapid Transit, CE:Mar 65:85
- CMP--As Complete Project Management, Burl W. Howard, CO1:May 65:99:4324
- Computer Analysis of Overland Flow, James R. Morgali and Ray K. Linsley, HY3:May 65:81:4325
- Computer at MIT to serve New England, CE:Oct 65:104
- Computer Program for Leveling Resource Usage, Robert V. Galbreath, CO1:May 65:107:4327
- Computer Simulation of Estuarial Networks, Robert P. Shubinski and James C. McCarty, HY5:Sep 65:33:4470

COMPUTERS Continued

- Computer System Designed for Teaching and Structural Research at MIT. William A. Little and Kenneth Reinschmidt, CE:Aug 65:71
- Computer Systems for Matrix Operations, Herbert Rothman and Peter Reilly, ST3:Jun 64: 125:3933
- TR:130:763
- Control Traverses and Their Adjustment, Everett D. Morse, SU2:Jun 63:39:3546
- TR:130:181
- Digital Computers and Environmental Control, Gordon P. Fisher and Walter R. Lynn, PP1:Jan 64:15:3749
- TR:130:334
- Direct Stiffness Solution for Folded Plates, Armin DeFries-Skene and A.C. Scordelis, ST4: Aug 64:15:3994
- TR:130:717
- Dynamic Structural Analysis with Short Time History, George L. Henderson, ST3:Jun 65:1: 4352
- Electronics in Surveying, Edmond T. Miller, CE:May 65:29
- Ethical implications of computer services advertising, CE:Jan 65:41
- Extending CPM for Multiform Project Time-Cost Curves, Walter L. Meyer and Louis R. Shaffer, CO1:May 65:45:4319
- Finite Element Analysis of Axi-Symmetric Solids, Ray W. Clough and Yusef Rashid, EM1: Feb 65:71:4229
- Florida--Criteria for Construction in Creating Another Cape Kennedy Colossus, George H. Kirkland, CE:Oct 65:59
- Flow Graph of Moment Distribution, Chuan C. Feng and Richard D. Benton, ST2:Apr 64:153: 3870
- TR:130:218
- General Computer Analysis of Beams, John E. Goldberg, John L. Bogdanoff, and William D. Glauz, EM3:Jun 64:135:3943
- TR:130:80
- General Computer Program for Limit Analysis, Chu-Kia Wang, ST6:Dec 63:101:3719
- TR:130:161
- Generalized Resection Method in Surveying, K.C. Chakko, SU1:Apr 65:23:4290
- Ground-Water Management for the Nation's Future - Computer Simulation of Ground-Water Basins, Howell N. Tyson and Ernest M. Weber, HY4:Jul 64:59:3973
- TR:130:760
- Ground-Water Models Solved by Digital Computer, Irwin Remson, Charles A. Appel, and Raymond A. Webster, HY3:May 65:133: 4330
- Guide to Development and Use of Electronic Computer Programs: Engineering Analysis, Elwyn H. King, ST6:Dec 64:25:4154
- TR:130:775
- Hydrogeologic Electric Analog Computer, William C. Walton and Thomas A. Prickett, HY6:Nov 63:67:3695
- TR:130:43
- Inelastic Lateral-Torsional Buckling of Beam Columns, Constanancio Miranda and Morris Ojalvo, EM6:Dec 65:21:4563
- Lost River System - A Water Quality Management Study, Gerald T. Orlob and Philip C. Woods, HY2:Mar 64:1:3815
- TR:130:87
- Manpower by Critical Path Method, John A. Keane and Jack D. Trawick, CE:Jul 64:43
- TR:130:288
- Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680
- TR:130:153
- Mathematical Model for Transient River Flow, Eivind Kindingstad, HY3:May 64:23:3899
- TR:130:682
- Mathematical Models of Catchment Behavior, David R. Dawdy and Terence O'Donnell, HY4: Jul 65:123:4410
- Matrix Formulation of Structural Stability Problems, Billy J. Hartz, ST6:Dec 65:141:4572
- Men, Models, Methods, and Machines in Hydrologic Analysis, Willard M. Snyder and John B. Stall, HY2:Mar 65:85:4256
- Moment Coefficients for Frame Analysis, Frederick P. Wiesinger, Seng-Lip Lee and John F. Fleming, ST6:Dec 63:1:3712
- TR:130:39
- Moment Equations for Computer Analysis of Frames, Semih S. Tezcan, ST3:Jun 64:35:3926
- TR:130:673
- Nonlinear Behavior of Structural Plane Frames, S.A. Saafan, ST4:Aug 63:557:3615
- TR:130:197
- Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588
- TR:130:51
- Preliminary Design of Concrete Dams by Computers, Ralph Weaver, CE:Feb 64:43
- TR:130:99
- Series Solution of Skewed Plates, J.B. Kennedy and M.W. Huggins, EM1:Feb 64:1:3795
- TR:130:308
- Shock Response of a Simple Beam on Non-linear Supports, Theodore R. Tauchert and Robert S. Ayre, EM6:Dec 65:91:4570
- Simulation and Analyses of a Refuse Collection System, Jimmie E. Quon, Abraham Charnes, and Stephen J. Wersan, SA5:Oct 65:17:4491
- Spiral Problems for an Electronic Computer, Elias C. Toniais, HW2:Dec 65:101:4590
- Stadia--an Automatic Data Input Assembler for Topographic Surveys, Paul D. Spindel, CE: May 65:51
- Steel Fabrication Drawings by Computer, Alfred H. Palmer and Herbert T. Blomquist, CE:Feb 65:50
- Dsc: Henry G. Hurd, CE:May 65:74, reply by author, May 65:74
- Stream-Aquifer System Analysis, Ali Eshett and Morton W. Bittinger, HY6:Nov 65:153:4545
- Structural Analysis of Multistory Buildings, Ray W. Clough, Ian P. King, and Edward L. Wilson, ST3:Jun 64:19:3925
- TR:130:729
- Twelve computer programs to be developed by AASHO to cover civil engineering, CE:Jul 65:87
- Vertical Drainage of an Unsaturated Soil, Irwin Remson, Ronald L. Drake, Samuel S. McNeary, and Edward M. Wallo, HY1:Jan 65: 55:4196

CONCRETE

- Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J. C. McCraw, CE:Nov 65:70
- Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
TR:130:3
- Belleville Locks on the Ohio River, R. B. Howard, CE:Nov 65:51
- Capacity Tests in Large Concrete-Lined Canals, Paul J. Tilp, HY3:May 65:189:4337
- Cellular Concrete Block Revetment, D. A. Parsons and R. P. Apmann, CE:Feb 65:66
- Cellular Concrete Block Revetment, Donald A. Parsons and Robert P. Apmann, WW2:May 65:27:4311
- Concrete firms found new industry society, CE:Mar 65:86
- Concrete Need Not Hibernate, Howard C. Wiechman, CE:Nov 65:78
- Design of Concrete Beams and Slabs, Anselm Cefola, CE:Oct 65:83
- Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5:Oct 65:255:4518
- Do's and Don'ts of Cold-Weather Concreting, A. T. Hersey, CE:Jul 65:36
- Greece--A Concrete Cutoff Wall for Earth-fill Peneos Dam, Th. C. Gofas, CE:Jun 65:56
- History and Development of Concrete Pavement Design, Gordon K. Ray, HW1:Jan 64:79:3769
TR:130:91
- Lateral Pressure of Concrete on Formwork, R. L. Peurifoy, CE:Dec 65:60
- Load Transfer in a Step-Taper Pile, Elio D'Appolonia and John A. Hribar, SM6:Nov 63:57:3700
TR:130:353
- New York--Linseed-Oil Protection for New York State Thruway Bridges, Robert J. Walsh, CE:Jul 65:39
- On Composite Beams, William R. Spillers, ST4:Aug 65:17:4423
- Quality Control of Concrete, L. D. Long, CE:Nov 64:59
- Dsc, E. A. Abdun-Nur, CE:Mar 65:64
TR:130:549
- Ribless Folded Plates, Seng Lip Lee, Victor A. Pulmano, and T. J. Lin, ST1:Feb 65:253:4238
- Rigidity and Strength of Composite Plates, C. W. Beadle, J. W. Dally and W. F. Riley, EM6:Dec 64:211:4183
TR:130:777
- Strength and Behavior of Deep Beams in Shear, H. A. Rawdon de Paiva and Chester P. Siess, ST5:Oct 65:19:4496
- Subway Tunnel Construction in New York City, Gail B. Knight, CO2:Sep 64:15:4032
TR:130:503
- Test of a Ferro-Cemento Precast Folded Plate, Tekal Wishwanath, Ramkrishna P. Mhatre, and Kaveti Seetharamulu, ST6:Dec 65:239:4583
- Ultimate Strength Design for Highway Bridges, Howard L. Payne and Lamar H. Caldwell, ST5:Oct 65:43:4489

- Understanding the Corrosion Resistance of Concrete Pipe, John A. Shaw, CE:Jun 65:39
- What's New in Concrete Paving, E. C. Lokken, CE:Mar 64:54
Dsc: Delmar L. Bloem, CE:May 64:64
TR:130:151

CONCRETE BRIDGES

- Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5:Oct 65:255:4518

CONCRETE DAMS

- Italy--Vaiont Reservoir Disaster, George A. Kiersch, CE:Mar 64:32
- Dsc: G. E. H. Ballard, CE:Jul 64:70; Author's reply, Jul 64:70; Dsc: Carlo Berghinz, Mar 65:63
- Preliminary Design of Concrete Dams by Computers, Ralph Weaver, CE:Feb 64:43
TR:130:99
- Yellowtail Dam on Big Horn River, Instrumented for Structural Behavior Studies, Keith Jones, CE:Nov 64:53
TR:130:567

CONDUITS (Water)

- California--Delta-Mendota Canal walls to be raised, CE:Mar 65:86
- Factors Influencing Flow in Large Conduits: Report of the Task Force on Flow in Large Conduits of the Committee on Hydraulic Structures, ASCE, Frederic L. Lawton, Chmn, HY6:Nov 65:123:4543
- Secondary Currents in a Corner, James A. Liggett, Chao-Lin Chiu, and Ling S. Miao, HY6:Nov 65:99:4538
- Turbulent Flow in a Three-Dimensional Channel, Hubert J. Tracy, HY6:Nov 65:9:4530

CONNECTORS

- Flexural Strength of Steel and Concrete Composite Beams, Roger G. Slutter and George C. Driscoll, ST2:Apr 65:71:4294

CONSOLIDATION

- Consolidation Coefficient: Cohesive Soil Mixture, Robert L. Kondner and José R. Vendrell, Jr., SM5:Sep 64:31:4021
TR:130:629
- Consolidation of Normally Consolidated Clay, Laing Barden and Peter L. Berry, SM5:Sep 65:15:4481
- Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz, SM5:Sep 65:1:4476
- Electric Analogs in Time-Settlement Problems, Patrick Domenico and Glen Clark, SM3:May 64:33:3892
TR:130:595
- Settlement Response Caused by Footing Groups, Raymond J. Krizek and Robert L. Kondner, SM5:Sep 64:269:4045
TR:130:659
- Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M. V. Ratnam, SM6:Nov 63:1:3691
TR:130:303

CONSOLIDATION Continued

Stability of Cuts in Soft Soils, T.C. Kenney,
SM5:Sept 63:17:3647

TR:130:171

Use of Surcharges in Highway Construction,
William F. Kleiman, SM5:Sept 64:331:4048

TR:130:623

CONSTRUCTION

Analytic Methods in Transportation: Planning
and Grading Operation for Least Total Cost,
L.R. Shaffer, EM6:Dec 63:47:3734

TR:130:296

Arecibo Radar-Radio Telescope--Design and
Construction, Thomas C. Kavanagh and David
H.H. Tung, CO1:May 65:69:4323

ASCE Construction Division Conference:
Quality in Engineered Construction, St. Louis,
Mo., June 16-18, 1965, program, CE:Apr 65:
76; May 65:45; Report, Aug 65:42

Belleville Locks on the Ohio River, R.B.
Howard, CE:Nov 65:51

CMP--As Complete Project Management,
Burl W. Howard, CO1:May 65:99:4324

Computer Program for Leveling Resource
Usage, Robert V. Galbreath, CO1:May 65:107:
4327

Construction Finishes and High-Velocity Flow,
James W. Ball, CO2:Sept 63:91:3646

TR:130:382

Design and Performance of Mammoth Pool
Power Tunnel, Bruce R. Lavery and Klaus R.
Ludwig, PO1:Sept 63:9:3642

TR:130:416

Designing Specifications--A Challenge, Edward
A. Abdun-Nur, CO1:May 65:29:4315

Extending CPM for Multiform Project Time-
Cost Curves, Walter L. Meyer and Louis R.
Shaffer, CO1:May 65:45:4319

First Five Years of the Critical-Path Method,
William J. Gleason, Jr., and Joseph J. Ranieri,
CO1:Mar 64:27:3832

TR:130:40

How to Improve Quality Control of Construct-
ion, Hal W. Hunt, CE:Oct 65:54

Improved Inspection on the West Coast, John
Steinbrugge, CE:Oct 65:79

Installation Procedure for Hot Metal Facility,
L. Earl Tabler, Jr., CO1:May 65:179:4341

Interest on Capital Invested in Construction,
J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622

TR:130:635

Machine Tunneling on Missouri River Dams,
Lloyd B. Underwood, CO1:May 65:1:4314

More unit prices around the world (from U.S.
Air Force), ASCE Construction Div. Committee
Report, CE:Jun 65:75

New Type Weir Construction for Small Water-
sheds, Neal E. Minshall and Ralph G. Spomer,
IR1:Mar 65:11:4243

PERT and CPM Techniques in Project Manage-
ment, Restan M. Aras and Julius Surkis, CO1:
Mar 64:1:3823

TR:130:486

Plastic Surgery on Irrigation Areas, Kent S.
Ehrman, CO1:Mar 64:47:3837

TR:130:29

Preloading Results in Tank Foundation Econo-
mies, Louis J. Goodman and Norbert E. Faltyn,
CO1:May 65:125:4335

Quality Control in Construction, W.O. Hilt-
bidle, Jr., Bradford N. Clark, Charles E.
Schaffner, John Nelson Linn, Ralph E. De
Simone, Arnold H. Vollmer, Elmer B. Isaak,
Leslie D. Long, Richard Q. Praeger, Hal W.
Hunt, CO1:May 65:141:4340

Quality Controls for Steel Construction,
Milton Brumer CE:Oct 65:76

Quantity Surveys for Cost Estimates, George
W. Heller, CO1:Mar 64:37:3836

TR:130:333

CONSTRUCTION EQUIPMENT

Asphalt Paving Equipment, John J. Laing,
CE:Jun 64:36

TR:130:475

Beach Nourishment from Offshore Sources,
Herbert C. Gee, WW3:Aug 65:1:4428

What's New in Concrete Paving, E.C. Lokken,
CE:Mar 64:54

Dsc: Delmar L. Bloem, CE:May 64:64

TR:130:151

CONSTRUCTION INDUSTRY

Arbitration in Engineering and Construction,
CE:Jul 65:60

As a Contractor, Do You Carry Adequate
Insurance? James Midwinter, CE:Aug 64:64

TR:130:371

California--Associated General Contractors
of America hold annual meeting March 15-18 in
San Francisco, CE:May 65:84

Construction spending increases in Aug., CE:
Oct 65:106

Contracting Conditions and Construction Qual-
ity, Wallace L. Chadwick, CE:Aug 65:53

Dsc: M. Harry Wartur, CE:Nov 65:99

Dravo to acquire Gibbs and Hill, CE:May 65:89

Film on construction and importance of gen-
eral contractor released, CE:Nov 65:116

How to Inspect Construction, Benjamin P.
Cohen, CE:Oct 65:62

1966 Moles Awards announced, CE:Dec 65:85

Moles name Richard E. Mynatt president, CE:
Jun 65:95

Resident Engineer Responsibility on Construc-
tion, Irving Kett, CE:Jan 64:56

TR:130:15

The Value of Management in the Construction
Industry, H.C. Turner, Jr., CE:Feb 64:59

TR:130:163

CONSTRUCTION MATERIALS

Designing Specifications--A Challenge, Edward
A. Abdun-Nur, CO1:May 65:29:4315

CONSTRUCTION PLANNING

Construction Preplanning Pays Off, Robert J.
Thonus, CE:Nov 64:64

TR:130:575

The Triangular Bar Chart, George Kostro,
CE:Nov 64:67

Dsc, Joseph S. Ward, CE:Feb 65:69; John
F. Tserrn, CE:May 65:74

TR:130:538

CONSTRUCTION PROCEDURE

- Criteria for Planning an Offshore Pipeline, Joe L. Kireg, PL1:Jul 65:15:4407
- Increasing the Efficiency of Helicopters on Transmission-Line Construction, E.S. Zobel and R.A. Kravitz, CE:Jun 64:72
- Dsc: L.H.J. Cook, CE:Sep 64:68
- TR:130:489
- Manpower by Critical Path Method, John A. Keane and Jack D. Trawick, CE:Jul 64:43
- TR:130:288

CONSTRUCTION VOLUME

- Measured by construction spending, CE: Jan 65:100; Feb 65:82; Apr 65:97; May 65:88; Jul 65:85; Aug 65:106; Sep 65:89; Dec 65:86

CONSULTANTS

- A Cooperative Computer Center, A New Concept for Consulting Engineers, Charles P.C. Tung and David Carsen, CE:Sep 64:56
- Dsc: Morton B. Lipetz, CE:Feb 65:68
- TR:130:401
- CEC foresees good year for consultants, CE: Jan 65:97
- Consulting Engineering in Foreign Countries, E. Montford Fucik, PP1:Jan 64:37:3760
- TR:130:21
- Consulting Engineers Council holds national convention in St. Louis, CE:Jul 65:84
- Ethics and Municipal Engineers in Private Practice, Frances Pandullo, PP2:Sep 65:1:4455
- Professional Development, the Younger Viewpoint (Symposium)—In Private Practice, Harold L. Loyd, CE:Apr 64:55
- TR:130:283
- Resident Engineer Responsibility on Construction, Irving Kett, CE:Jan 64:56
- TR:130:15
- Starting a Consulting Business, Joseph S. Ward, CE:Jan 64:48
- Dsc: Ralph W. Seidensticker, CE:Mar 64:74; Gene M. Nordby, Apr 64:66
- TR:130:7
- Starting Your Own Consulting Practice--Business and Finance, Joseph S. Ward, CE:Jan 65:53
- The American Consulting Engineer Abroad, Edward J. Quirin, CE:Mar 65:45; Apr 65:44; May 65:60

CONTRACTS

- Contracting Conditions and Construction Quality, Wallace L. Chadwick, CE:Aug 65:53
- Dsc: M. Harry Wartur, CE:Nov 65:99
- Legal Aspects of Quality Control, Robert B. Jarvis, CE:Oct 65:71
- Metropolitan Section Committee studies award practices, CE:Feb 65:44
- The American Consulting Engineer Abroad, Edward J. Quirin, CE:Mar 65:45; Apr 65:44; May 65:60
- The Value of Management in the Construction Industry, H.C. Turner, Jr., CE:Feb 64:59
- TR:130:163

CORROSION

- Operating a Sea Water Barrier Project, Arthur E. Bruington and Frederick D. Seares, IR1: Mar 65:117:4264
- The Case for the Galvanized Bridge, J.R. Hall, CE:Nov 64:31
- Dsc, R.K. Bernhard, CE:Mar 65:64
- TR:130:564
- Understanding and Controlling Corrosion, Harry Neugold, Jr., CE:Mar 65:57
- Dsc: R.E. Bald, CE:May 65:74
- Understanding the Corrosion Resistance of Concrete Pipe, John A. Shaw, CE:Jun 65:39

COSTA RICA

- Seismic Study of Arch Dams, J. Laginha Serafim and J. Oliveira Pedro, ST2:Apr 65:15:4284

COSTS

- Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674
- TR:130:63
- Bridge Costs, Harris K. Mauzy and William J. Yusavage, CE:May 64:50
- TR:130:133
- Composite Design Cuts Cost of Small Warehouse, Edward B. Finkel, CE:Aug 65:46
- Comprehensive Planning in the Southeast, George E. Tomlinson, HY5:Sep 65:81:4480
- Effect of Irrigation Method on Water Conservation, Jack Keller, IR2:Jun 65:61:4364
- Evaluation of Recreation in Water Developments, William M. White, PO1:May 65:1:4306
- Graphical Method for Discounting Future Benefits in Feasibility Studies, George E. Ribble, CE:Nov 65:86
- Latest Developments in Transporting Coal by Rail, Richard N. Bergstrom and Kenneth W. Hamming, PO1:May 65:81:4338
- More unit prices around the world (from U.S. Air Force), ASCE Construction Div. Committee Report, CE:Jun 65:75
- Operating a Sea Water Barrier Project, Arthur E. Bruington and Frederick D. Seares, IR1: Mar 65:117:4264
- Preliminary Optimization of an Aqueduct Route, Warren A. Hall and John S. Hammond, IR1:Mar 65:45:4248
- Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579
- Quantity Surveys for Cost Estimates, George W. Heller, CO1:Mar 64:37:3836
- TR:130:333
- Role of Government on Water Resource Development, Ayers Brinser, IR4:Dec 65:13:4558
- Unit Prices Around the World, ASCE Construction Division Committee Report, CE:Aug 64:75
- TR:130:362
- CRITICAL PATH METHOD**
- CMP--As Complete Project Management, Burl W. Howard, CO1:May 65:99:4324
- Colorado--Denver's Metro Waste Treatment Plant, William L. Bredar, CE:Dec 65:64

CRITICAL PATH METHOD Continued

- Extending CPM for Multiform Project Time-Cost Curves, Walter L. Meyer and Louis R. Shaffer, COI:May 65:45:4319
- First Five Years of the Critical-Path Method, William J. Gleason, Jr., and Joseph J. Ranieri, COI:Mar 64:27:3832
- TR:130:40
- Installation Procedure for Hot Metal Facility, L. Earl Tabler, Jr., COI:May 65:179:4341
- PERT and CPM Techniques in Project Management, Restan M. Aras and Julius Surkis, COI:Mar 64:1:3823
- TR:130:486
- Seattle Viaduct Redesigned Using CPM, Roy W. Morse, John E. Arnberg, Douglas L. Jonas, CE:Oct 64:46
- TR:130:523

CULVERTS

- Colorado--70-ft Underpasses of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84
- Precast T's and Slabs Make Culverts Quickly, John F. Lenard, CE:Oct 64:64
- TR:130:431
- Transition for Canals and Culverts, William P. Simmons, HY3:May 64:115:3918
- TR:130:35

CURVES

- Spiral Problems for an Electronic Computer, Elias C. Tonia, HW2:Dec 65:101:4590

DAMAGE

- Analysis of Blast Effects on Pipelines, George M. McClure, Thomas J. Atterbury, and Noah A. Frazier, PL2:Nov 64:25:4137
- TR:130:603
- Prestressed Lift Slabs Withstand Fire, G.E. Troxell, CE:Sep 65:64
- Sediment Transportation Mechanics: Nature of Sedimentation Problems; Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:251:4260
- Switzerland--Avalanche buries Mattmark Dam construction camp, CE:Nov 65:112

DAMS

- Arkansas--Turbines ordered for Ozark Dam project on Arkansas River, CE:Nov 65:116
- Australia--Contract let for Blowering Dam in New South Wales, CE:Apr 65:96
- California--California Water Project, Power Plans and Demands, Alfred R. Golze, CE:Feb 65:35
- California--Construction accelerated on Exchequer Dam on Merced River, CE:Jul 65:87
- California--Hell Hole damsite damaged in Dec. flood, CE:Apr 65:97
- Canada--Construction begun on Arrow Dam in British Columbia, CE:Jul 65:86
- Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53

- Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Miraflores Dam, C.Y. Li, CE:Dec 64:52

TR:130:727

- Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576

TR:130:271

- Ghana's Akosombo Dam--Design and Construction, R.P. Ware and D.R. Hooper, CE:Dec 64:65

Dsc: Ole P. Erickson, CE:Mar 65:62

TR:130:735

- Interstitial Pressures on Rock Foundations of Dams, J. Laginha Serafim and Alejandro del Campo, SM5:Sep 65:65:4484

- Irrigation in India: Past and Present, Asit K. Biswas, IRI:Mar 65:179:4277

- Machine Tunneling on Missouri River Dams, Lloyd B. Underwood, COI:May 65:1:4314

- Mexico and U.S.--Construction on Amistad Dam started Jan. 1965 by U.S. and Mexican governments, CE:Jan 65:98

- Mexico--Balsas River Dam to be ready soon, CE:Apr 65:99

- Montana--Yellowtail Dam to be completed in spring of 1966, CE:Nov 65:112

- North Carolina--Controlling Leakage from Cowans Ford Dam, Joe T. Moore, CE:Jun 65:52
- Pennsylvania--Maxwell Locks and Dam completed, CE:Dec 65:88

- Regulation of the Caspian Sea, Otakar W. Kabelac, WW1:Feb 64:103:3794

TR:130:609

- Roll-Ramp Lifting Device for Fishway at Brist Rapids Dam, W.R. Martin, CE:Jun 64:69

TR:130:535

- South Dakota--Oahe Dam protected against cold weather, CE:Jul 65:86

- Spillway Discharge Coefficients for Rock Island Dam, Claud C. Lomax, HY3:May 65:19:4320

- Switzerland--Avalanche buries Mattmark Dam construction camp, CE:Nov 65:112

- Tennessee--Nickajack Dam, a Replacement for Hales Bar, Floyd P. Lacy, Jr., and Ward W. Engle, CE:Jul 65:50

- Valont Reservoir Disaster, George A. Kiersch, CE:Mar 64:32

- Dsc: G.E.H. Ballard, CE:Jul 64:70; Carlo Berghinz, CE:Mar 65:63, Author's reply, Jul 64:70

TR:130:155

- Washington--Army awards its largest civil works contract for Little Goose Lock and Dam, CE:Aug 65:105

- Washington--Tacoma City Light starts work on Mossyrock Dam, CE:Jun 65:93

- West Virginia--Pike Island Dam on the Ohio River is completed, CE:Oct 65:106

- See also under specific headings, such as ARCH DAMS, etc.

DEFLECTION

- Analysis of a Two-Layer Viscoelastic System, David C. Kraft, EM3:Dec 65:129:4576

DEFLECTION Continued

Analysis of Deflections in Elastic-Plastic Frames, Niels C. Lind, ST3:Jun 65:197:4381
Cable Movements Under Two-Dimensional Loads, W. Terence O'Brien and Arthur J. Francis, ST3:Jun 64:89:3929
TR:130:737

Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161:3721
TR:130:451

Deflections of Multiple-Panel Reinforced Concrete Floor Slabs, Mortimer D. Vanderbilt, Mete A. Sozen, and Chester P. Siess, ST4:Aug 65:77:4439

Deflection of Tall Guyed Tower in Dallas, J.K. Groseclose, CE:Nov 64:68
TR:130:571

Design of Flexible Steel Pipe Under External Loads, Walter H. Cates, PL1:Jan 64:21:3767
TR:130:599

Design of Laterally Loaded Piles, Bengt B. Broms, SM3:May 65:79:4342
Elastica Supported at Midpoint by a Spring, George E. Sliter and Arthur P. Boresi, EM2:Apr 64:1:3854
TR:130:147

Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735
TR:130:164

General Computer Analysis of Beams, John E. Goldberg, John L. Bogdanoff, and William D. Glauz, EM3:Jun 64:135:3943
TR:130:80

Philosophy of Engineering Design of Structures, Malcom S. Gregory, ST6:Dec 63:119:3722
TR:130:59

The Performance of Casing Pipes Under Railroads and Highways: Report of the Research Council on Pipeline Crossings of Railroads and Highways, ASCE, J.E. Thompson, Chmn, PL1:Jul 65:39:4419

Tilt and Deflections of Tapered Polygonal Towers, Ralph J. Pschunder, ST3:Jun 65:151:4373

Zero Sidesway Axis of Rigid Frames, A.J. Celis and P. Glockner, ST5:Oct 63:65:3662
TR:130:19

DEFORMATION

Analysis of a Two-Layer Viscoelastic System, David C. Kraft, EM6:Dec 65:129:4576

Analysis of Deflections in Elastic-Plastic Frames, Niels C. Lind, ST3:Jun 65:197:4381
Large Strain Analysis and Stresses in Linear Materials, August J. Durelli and Alfred P. Mulzet, EM3:Jun 65:65:4367

Measuring Instruments for Strutted Excavating, Lauritis Bjerrum, Cameron Kenney, and B. Kjaernli, SM1:Jan 65:111:4210

Prismatic Shells with Intermediate Columns, Victor A. Pulmano and Seng-Lip Lee, ST6:Dec 65:215:4578

Structure Designs Governed by Limited Deformations, Jacob Solomon, ST6:Dec 63:71:3718
TR:130:477

Studies of the Ductility of Steel Structures, Theodore V. Galambos and Maxwell G. Lay, ST4:Aug 65:125:4444

DELAWARE BASIN

Water Resources Planning for the Delaware Basin, Russell Morgan, HY5:Sep 65:65:4475

DENSITY

Horizontal Jets in Stagnant Fluid of Other Density, Gerrit Abraham, HY4:Jul 65:139:4411

Standard Penetration Test: Its Uses and Abuses, Gordon F.A. Fletcher, SM4:Jul 65:67:4395

DESALTING

California--Nuclear-fueled sea water conversion plant recommended by Bechtel, CE:

Aug 65:105

Cuba--Seawater conversion plant for Guantanamo U.S. Naval Base, CE:Apr 65:99

Proceedings of International Symposium on Water Desalination available, CE:Dec 65:87

Report on International Water Quality Symposium in Washington, D.C., in Aug., CE:Nov 65:114

Study of water-desalting plant authorized by U.S. Dept. of the Interior, CE:Jun 65:93

Texas to have municipal water-desalting plant, CE:Feb 65:86

Transitory Irrigation Developments, Raymond A. Hill, CE:Mar 65:56

Disc: Charles Green, CE:Jun 65:72. author's reply, CE:Jun 65:72

DESIGN

Criteria for Designing Bearing-Type Bolted Joints, John W. Fisher and Lynn S. Beedle, ST5:Oct 65:129:4511

Evaluation of Two Aerated Lagoons, Ross E. McKinney and Henry H. Benjes, Jr., SA6:Dec 65:43:4589

Handbook on bridge design available from U.S. Steel, CE:Nov 65:116

Hydraulic Design of Pump Intakes, Ralph T. Hattersley, HY2:Mar 65:223:4276

Influence Lines for Beams on Elastic Foundations, K.T. Sundara Raja Iyengar and S. Anantharamu, ST3:Jun 65:45:4359

DIKES

Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works, ASCE, Harvill E. Weller, Chmn, WW1:Feb 65:7:4236

Effect of Spur Dikes on Flow Through Contractions, E. Robert Hedman, HY4:Jul 65:155:4412

Foreshore Protection, Lower Mississippi River, Rudolf Hertzberg, WW2:May 65:1:4305

Influence of Soil Types on Stabilization of the Savannah River, William J. Wall, WW3:Aug 65:7:4430

U.S. Steel announces competition on highway bridge design, CE:Nov 65:115

DIMENSIONAL ANALYSIS

Heat Analysis - A Tensorial-Dimensional Approach, Sidney F. Borg, EM6:Dec 65:145:

DISPERSIONS

- Canal Discharge Measurements with Radio-isotopes, Jack C. Schuster, HY2:Mar 65:101:4258
- Dispersion Measurement in Open Channels, Calvin C. Patterson and Earnest F. Gloyna, SA3:Jun 65:17:4347
- Sand Transport Studies with Radioactive Tracers, D.W. Hubbell and William W. Sayre, HY3:May 64:39:3900
- TR:130:619
- Wind Driven Water Currents, W. Douglas Baines and Douglas J. Knapp, HY2:Mar 65:205:4270

DOCKS

- Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47
- Pier Extension and Repair at Tallmans Island Sewage Treatment Plant at College Point, Remig A. Papp, CE:Jul 64:48
- TR:130:306
- The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15:3523
- TR:130:471

DOMES

- A Special Report on the World's Fair, Frank J. Schneller, Jr., CE:Jun 64:54
- TR:130:487
- Civil Engineers Build for the Fair, William Whipple, Jr., CE:Jun 64:50
- Disc: Paul F. Gugliotta, CE:Sep 64:68
- TR:130:483
- Illinois--Church at Niles features large clear-span dome, CE:Sep 65:88
- Membrane Forces and Buckling in Reticulated Shells, Douglas T. Wright, ST1:Feb 65:173:4227
- Texas--Unusual Dome Awaits Baseball Season in Houston, Louis O. Bass, CE:Jan 65:63
- Disc: R. S. DiSalvo, CE:Mar 65:64
- Wind Loads on Basic Dome Shapes, F.J. Maher, ST3:Jun 65:219:4383

DRAINAGE

- American Society of Agricultural Engineers to hold conference in Chicago, Dec. 6-7, CE: Oct 65:96
- An Experiment on Flow Through Smooth Tile Joints, A.F. Pillsbury, E.H. Taylor, R.W. Pellshek, and J.F. Osborn, CE:Oct 64:67
- TR:130:455
- Auxiliary Potential Function for Seepage, Bruce B. Schimming and Robert L. Kondner, IR2:Jun 64:21:3930
- TR:130:769
- Computer Simulation of Estuarial Networks, Robert P. Shubinski and James C. McCarty, HY5:Sep 65:33:4470
- Design of Tile Drainage for Arid Regions, Hammad Y. Hammad, IR3:Sep 64:1:4036
- TR:130:749
- Double Slope Method for Pumping Test Analysis, Kamal F. Saad, Ahmed Shukry, and Aly Baligh, IR2:Jun 65:51:4363

End Depth for Exponential Channels, N. Rajaratnam and D. Muralidhar, IR1:Mar 64:17:3819

TR:130:765

- Engineering Aspects of the Reclamation of Sodic Soils with High-Salt Waters, E.J. Doering and R.C. Reeve, IR4:Dec 65:59:4588
- Forest Drainage Research in the Coastal Plain, Ralph A. Klawitter and Cortland E. Young, Jr., IR3:Sep 65:1:4456
- Function and Organization of Highway Drainage Sections, Frederick W. Thorstenson, HW1: Jan 65:49:4207
- Indus-Valley--West Pakistan's Life Line, Alexander Karpov, HY1:Jan 64:207:3774
- TR:130:509

- Inflow Hydrographs from Large Unconfined Aquifers, Hassan Ali Ibrahim and Wilfried Brutsaert, IR2:Jun 65:21:4357
- Initial Motion Problem in Porous Media, James A. Liggett and Christos Hadjithodorou, HY3: May 65:61:4322
- Mathematical Representation of an Urban Flood Plain, Viraf S. Bhavnagri and George Bugliarello, HY2:Mar 65:149:4265
- Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
- TR:130:209

- Sample Size Estimates in Permeability Studies, Lyman S. Willardson and Rex L. Hurst, IR1: Mar 65:1:4240
- Spacing of Drains by an Approximate Method, Gedeon Dagan, IR1:Mar 64:41:3824
- TR:130:81

- Steady Drainage of Two-Layered Soil, Gedeon Dagan, IR3:Sep 65:51:4474
- Supplement to Peterson's Design of Replenishment Wells, Mahdi S. Hantush, IR1:Mar 64:67:3838

TR:130:101

- Surface Area Measurements and Adsorption of Soils, Michael J. Suess, IR1:Mar 64:87:3841
- TR:130:131

- Texas--Houston Airport, a Study in Engineer-Contractor Harmony, H.O. Fischer, CE: Sep 65:32

- Tile Drainage Performance, Coachella Valley, California, Arthur F. Pillsbury, J.R. Spencer, William R. Johnston, and L.O. Weeks, IR2: Jun 65:1:4344

- Transient Design of Drainage Systems, Jan van Schilfgaarde, IR3:Sep 65:9:4458

- Two-Dimensional Infiltration and Wetting Fronts, Sadik Toksoz, Don Kirkham, and E. Robert Baumann, IR3:Sep 65:65:4477
- Vertical Drainage of an Unsaturated Soil, Irwin Remson, Ronald L. Drake, Samuel S. McNeary, and Edward M. Wallo, HY1:Jan 65:55:4196
- Water Management on Rielands in Louisiana, Lester F. Lawhon and Louis W. Herndon, IR4: Dec 65:23:4569

DRAINS

- Fill Settlement Despite Vertical Sand Drains, George F. Sowers, SM5:Sep 64:289:4044
- TR:130:685

DREDGES

Army Engineers contract for first hopper dredge with side-casting boom. CE:Feb 65:84

DRILLING

Mohole drilling sites to be in the Pacific. CE:Mar 65:84

Subway Tunnel Construction in New York City,

Gail B. Knight, CO2:Sep 64:15:4032

TR:130:503

DROUGHTS

Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:Dec 63:7:3714

TR:130:446

EARTH DAMS

Alluvium Grouting Proved Effective on Alpine Dam, Darius Bonazzi, EM6:Nov 65:81:4544

Ghana's Akosombo Dam--Design and Construction, R.P. Ware and D.R. Hooper, CE:Dec 64:65

Dsc: Ole P. Erickson, CE:Mar 65:62

TR:130:735

Greece--A Concrete Cutoff Wall for earthfull

Peneos Dam, Th. C. Gofas, CE:Jun 65:56

Mechanics of Inclined Filters in Earth Dams,

V.J. Patel, A.V. Gopala Krishnayya, and K.L.

Arora, SM2:Mar 64:87:3840

TR:130:457

Underwater Inspection of Test Fill in Gatun

Lake for Dam to Serve Panama Canal, Anthony P. Mann, CE:May 64:31

TR:130:241

EARTH PRESSURE

Earth Pressures for Bilinear Backfill Surface,

B. Satyanarayana, SM1:Jan 65:99:4209

EARTHQUAKES

AISI reports issued on findings of inspection teams for Skopje and Alaska earthquakes. CE:Feb 65:84

Alaska--Juneau building features earthquake-

resistant construction. CE:Jan 65:100

Alaska--Vertical Forces in Earthquake of

March 1964, Harvey P. Pittelko, CE:

Dsc: Harold C. Smith, CE:Mar 65:62

Analog Simulations of Earthquake Motions,

Howard S. Ward, EM5:Oct 65:173:4522

Chile--Earthquake causes extensive damage.

CE:May 65:86

Design for Prestressed Concrete Buildings for

Earthquake Resistance, T.Y. Lin, ST5:Oct 65:

1:4488

Earthquake Response of a Yielding Structure,

Paul C. Jennings, EM4:Aug 65:41:4435

Effect of Site Condition on Earthquake Inten-

sity, John H. Wiggins, Jr., ST2:Apr 64:279:3880

TR:130:415

Energy Absorption of Structures Under Cyclic

Loading, Kenneth Medearis and D.H. Young,

ST1:Feb 64:61:3791

TR:130:249

Generation of Artificial Earthquakes, G.W.

Housner and P.C. Jennings, EM1:Feb 64:113:

3806

TR:130:530

Random Vibration of a Beam Column,

Masanobu Shinozuka and L. Henry, EM5:Oct 65:

123:4510

Seismic Study of Arch Dams, J. Langinha

Serafim and J. Oliveira Pedro, ST2:Apr 65:15:

4284

Studies of the Ductility of Steel Structures,

Theodore V. Galambos and Maxwell G. Lay,

ST4:Aug 65:125:4444

The Alaska Earthquake--Effect on Buildings,

E.F. Rice, CE:May 64:52

Dsc, James L. Stratta, CE:Aug 64:79;

author's reply, Aug. 64:79

TR:130:223

EARTHWORK

Role of the 'Calculated Risk' in Earthwork and

Foundation Engineering, Arthur Casagrande,

SM4:Jul 65:1:4390

ECONOMIC EVALUATIONS

Graphical Method for Discounting Future Bene-

fits in Feasibility Studies, George E. Ribble,

CE:Nov 65:86

ECONOMICS

Analysis of Master Plan for Chicago O'Hare

Airport, Martin A. Warskow and Howard C.

Burns, AT2:Oct 63:1:3674

TR:130:63

Comprehensive Planning in the Southeast,

George E. Tomlinson, HY5:Sep 65:81:4480

Economics and Finance in Airport Planning,

Belford Brown, AT2:Oct 64:197:4080

TR:130:488

Effect of Floods and Obsolescence on Bridge

Life, Manuel A. Benson and N.C. Matalas,

HW1:Jan 65:55:4208

Effect of Irrigation Method on Water Conserva-

tion, Jack Keller, IR2:Jun 65:61:4364

Evaluating Urban Transportation Systems,

George Haikalis and E. Wilson Campbell, CP1:

Sep 63:1:3626

TR:130:479

Hydraulic Performance Comparison of Cent-

rifugal Pumps, Michael J. Suess, HY2:Mar 65:

73:4255

Inland Water Transportation in Poland,

Fryderick Tomala, WW1:Feb 65:1:4231

Irrigation Planning Using Climatological Data,

Edward H. Wiser, IR4:Dec 65:1:4551

EDUCATION

A Critique of Engineering Education, Dabney S.

Craddock, III, PP2:Sep 65:7:4461

ASCE Task Committee on Continuing Education

holds first meeting in Chicago on June 19. CE:

Aug 65:90

A Symposium, Continuing Education--Whose

Responsibility?, Donald J. Benson, G.E. Ros-

enkoetter, Lynn W. Gelhar, Charles R.

Heidengren, CE:May 65:56

California--City of Hayward starts program to

interest students in a civil engineering career.

CE:May 65:89

EDUCATION Continued

- Civil Engineering Education, William H. Wisely, CE:Oct 64:37
TR:130:505
- Civil Engineering Education That Is, Chester A. Moore, PP2:Sep 65:49:4478
- Continuing Education, William H. Wisely, CE:Feb 65:31
- Current Problems in Property Location, Ira M. Tillotson and Charles E. Snyder, SU2:Sep 65:1:4465
- Educational Considerations for Environmental Engineering, Robert L. Smith, HY1:Jan 65:9:4191
- Education for Sanitary Engineers, E. Sherman Chase, PP2:May 64:15:3894
TR:130:801
- Effect of the Space Age on the Engineering Profession, R.W. Johnson, PP1:Jan 64:1:3747
TR:130:247
- Engineering Education--from the Practitioner's Viewpoint, Joseph S. Ward, CE:Feb 65:58
Dsc: M.D. Morris, CE:Apr 65:80; G.P. Tschetotarioff, Apr 65:80
- Dsc, James K. Finch, CE:Apr 64:64, on a dangerous trend in engineering education
Dsc: J.W. Huber, CE:Jun 64:78; William H. Gotolski, Jun 64:78; T.H. Evans, Sep 64:68; reply by J.K. Finch, Nov 64:71; Adolph J. Ackerman, Nov 64:71; Shu-T'ien Li, Feb 65:69
- Improved Inspection on the West Coast, John Steinbrugge, CE:Oct 65:79
- Interdisciplinary Education for Urban Planning, Harold L. Michael, PP1:Jan 64:29:3751
TR:130:797
- Model Balsa-Wood Bridges in Education, Boyd C. Ringo, CE:Feb 64:48
TR:130:83
- Ph. D. and P.E. in Civil Engineering Education, Ross E. McKinney, CE:Mar 65:48
Dsc: Asit K. Biswas, CE:Jul 65:76
- Preliminary report on goals of engineering education available from American Society for Engineering Education, CE:Nov 65:103
- Professional Development-The Student's Responsibility, James R. Wright, PP1:Jan 64:9:3748
TR:130:793
- Professional Development, the Younger Viewpoint (Symposium)--In Teaching, Russel C. Jones, CE:Apr 64:56
TR:130:284
- Teaching Engineering Attitude to Students, Malcolm S. Gregory, PP1:Jan 65:1:4189
- The Civil Engineer and His Education, Wallace L. Chadwick, CE: Sep 65:31
Dsc by James A. Brower, on non-availability of graduate courses, of "The Younger Viewpoint," CE:Mar 65:78
- The Scope of Civil Engineering, Charles L. Miller, CE:Aug 64:73
TR:130:385
- Where Is Engineering Education Today?--from the Educator's Viewpoint, Gene M. Nordby, CE:Feb 65:56
Dsc: M.D. Morris, CE:Apr 65:80

World Congress on Engineering Education meets in Chicago, June 21-25, CE:Jun 65:79
See also (ASCE) Education

EGYPT

- Natural Drainage of River Valleys, Hammad Y. Hammad, IR2:Jun 65:39:4360

ELASTICITY

- Analysis Comparisons for Single Curved Shell Roofs, Paul E. Mast, ST2:Apr 65:1:4282
- Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
TR:130:139
- Analysis of Short Folded Plates, Max Reiss and Michael Yitzhak, ST5:Oct 65:233:4516
- Analysis of Short Span Folded Plates, Kaveti Seetharamulu and Mangesh G. Kulkarni, ST3:Jun 64:165:3939
TR:130:699
- Axisymmetrical Deflections of Shallow Conical Shells, G.A. Wempner, EM2:Apr 64:181:3877
TR:130:628
- Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665
TR:130:85
- Buckling of Elastically Restrained Columns, German Gurfinkel and Arthur R. Robinson, ST6:Dec 65:159:4574
- Buckling of Steel Columns Under Arbitrary End Loads, Seng-Lip Lee and G.F. Hauck, ST2:Apr 64:179:3872
TR:130:73
- Comparison of Simplified Theories for Folded Plates, Graham H. Powell, ST6:Dec 65:1:4552
- Coupled Vibrations of Thin-Walled Elastic Bars, Wai Keung Tso, EM3:Jun 65:33:4358
- Creep Buckling of Slender Columns, Jose N. Distefano, ST3:Jun 65:127:4369
- Design of Prestressed Concrete Buildings for Earthquake Resistance, T.Y. Lin, ST5:Oct 65:1:4488
- Dynamic Analysis of Elastic-Plastic Frames, Arthur C. Heidebrecht, Seng-Lip Lee, and John F. Fleming, ST2:Apr 64:315:3881
TR:130:33
- Dynamic Response of a Lined Rigid Inclusion, Shui Ho and Robert J. Hansen, EM5:Oct 65:155:4521
- Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736
TR:130:173
- Elastic Plates Subjected to Moving Heat Sources, Ardeshtir Jahanshahi, EM4:Aug 65:27:4426
- Elastic Stability of Radially Nonhomogeneous Rings, S. Russell Keim, EM4:Aug 65:115:4447
- Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anantharamu, EM6:Dec 63:139:3720
TR:130:141
- Finite Element Analysis of Axi-Symmetric Solids, Ray W. Clough and Yusef Rashid, EM1:Feb 65:71:4229

ELASTICITY Continued

Flow-Induced Structural Vibrations, Gerrit H. Toebes, EM6:Dec 65:39:4564

Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576

TR:130:271

Inelastic Lateral-Torsional Buckling of Beam Columns, Constancio Miranda and Morris Ojalvo, EM6:Dec 65:21:4563

Load-Deformation Behavior of Shells of Revolution, Steven C. Batterman, EM6:Dec 64:1:4167

TR:130:704

Response of Elastic Cylinders to Plane Shear Waves, Lawrence J. Mente and Francis W. French, EM5:Oct 64:103:4083

TR:130:681

Restraints Against Elastic Lateral Buckling, Lewis C. Schmidt, EM6:Dec 65:1:4561

Spherical Elastic Plastic Shock Propagation, Morton B. Friedman, Hans H. Bleich, and Raymond Parnes, EM3:Jun 65:189:4377

Stability of Structures with Small Imperfections, John Roorda, EM1:Feb 65:87:4230

Stresses in a Layered Half-Plane, K.T. Sundara Raja Iyengar and R.S. Alwar, EM4:Aug 64:79:4004

TR:130:404

Stresses in a Uniformly Loaded Two-Layer Circular Plate, Martin A. Goldberg, Malcolm Newman, and Marvin J. Forray, EM3:Jun 65:13:4356

Wave Propagation in Elastic-Plastic Solids, R.L. Bjork and C.Y. Liu, EM5:Oct 65:77:4506

ELECTRICITY

Aesthetic Design of Electric Distribution Lines, Thomas A. Bettersworth, UP1:Jul 65:31:4400

ELECTRONICS

Electronic Guidance for Highway Safety, John J. O'Mara, CE:Oct 64:38

TR:130:519

Massachusetts--Contract let for NASA's Electronics Research Center in Cambridge, CE:Feb 65:83

EMPLOYMENT

Africa--Civil engineering opportunities available, CE:Sep 65:88

Civil Engineering Education That Is, Chester A. Moore, PP2:Sep65:49:4478

Corps of Engineers has openings in New York, Greenland, and Labrador, CE:Jun 65:93

Fringe Benefits in Civil Engineering Compensation, Clair A. Hill, CE:Jul 65:64

Jobs wanted in U.S. for foreign students, CE:May 65:46

United Nations has engineering positions available, CE:Oct 65:105

ENERGY

Estimating Evapotranspiration from Solar Radiation, Marvin E. Jensen and Howard R. Haise, IR4:Dec 63:15:3737

TR:130:107

Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622

TR:130:635

Philosophy of Engineering Design of Structures,

Malcolm S. Gregory, ST6:Dec 63:119:3722

TR:130:59

Shapes for Appurtenances in Stilling Basins, Narayana N. Pillai and T.E. Unny, HY3:May 64:1:3888

TR:130:643

ENGINEERING MECHANICS

Added Mass of a Sphere in a Bounded Viscous Fluid, Kenneth G. McConnell and Donald F. Young, EM4:Aug 65:147:4448

A Method to Increase the Accuracy of Moire Method, Fu-Pen Chiang, EM1:Feb 65:137:4239

Analog Computer Analysis of Static Beams, Robert E. Sennett, III and John Wait, EM2:Apr 65:47:4303

Analog Simulations of Earthquake Motions, Howard S. Ward, EM5:Oct 65:173:4522

Analysis of a Two-Layer Viscoelastic System, David C. Kraft, EM6:Dec 65:129:4576

Analysis of Laterally Loaded Gridworks, Thein Wah, EM2:Apr 64:83:3865

TR:130:481

Analysis of Spherical Shells with Stress Functions, Ziad M. Elias, EM6:Dec 64:135:4173

TR:130:786

Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Paul W. Shuldiner, EM6:Dec 63:97:3729

TR:130:346

Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724

TR:130:78

Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, L.R. Shaffer, EM6:Dec 63:47:3734

TR:130:296

An Inclined Plume, Garth S. Harris, EM1:Feb 65:7:4215

ASCE Engineering Mechanics Division Conference, Apr. 12-14, CE:Mar 65:44; Report, Jun 65:80

A Study of Mechanisms with Application to Frames, Jacques E. Benveniste, EM1:Feb 65:19:4222

Axisymmetrical Deflections of Shallow Conical Shells, G.A. Wempner, EM2:Apr 64:181:3877

TR:130:628

Bending Analysis for Clamped Rectangular Plates, Leonard R. Herrmann, EM3:Jun 64:71:3934

TR:130:251

Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665

TR:130:85

Bending of Circular Sandwich Plates, Jao-Shiun Kao, EM4:Aug 65:165:4449

ENGINEERING MECHANICS Continued

Biaxial Flexure of Columns by Analog Computers, Sherwood P. Prawel, Jr., and George C. Lee, EM1:Feb 64:83:3805

TR:130:185

Buckling Behavior of an Inelastic Column, Allan J. Malvick and Lawrence H.N. Lee, EM3:Jun 65:113:4372

Buckling Loads for Elastically Supported Struts, A. Raymond Toakley, EM3:Jun 65:205:4379

Buckling of Multistory Buildings, John E. Goldberg, EM1:Feb 65:51:4223

Calculating Deflections of a Partially Collapsed Frame, Nicholas Perrone and Michael C. Soteriades, EM1:Feb 65:1:4214

Circular Plates Loaded into the Plastic Region, Leslie M. Lackman, EM6:Dec 64:21:4155

TR:130:787

Coupled Vibrations of Thin-Walled Elastic Bars, Wai Keung Tso, EM3:Jun 65:33:4358

Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161:3721

TR:130:451

Development of Boundary Layers in Buckled Plates, Ernest F. Masur and C.H. Chang, EM2:Apr 64:33:3863

TR:130:67

Dynamic Changes of Mode in Rigid-Plastic Structures, Barry Rawlings, EM2:Apr 65:1:4283

Dynamic Instability of a Deep Spherical Shell, Fang-Huai H. Ho, EM3:Jun 65:233:4382

Dynamic Response Functions, Bruce S. Berger, EM4:Aug 64:131:4017

TR:130:515

Dynamic Response of a Lined Rigid Inclusion, Shui Ho and Robert J. Hansen, EM5:Oct 65:155:4521

Dynamic Response of a Tube Under Moving Pressure, Sing-chih Tang, EM5:Oct 65:97:4508

Dynamic Response of Beam on Viscoelastic Subgrade, Jan D. Achenbach and Chin-teh Sun, EM5:Oct 65:61:4504

Dynamic Similitude of Underground Structures, Donald F. Young and Glenn Murphy, EM3:Jun 64:111:3938

TR:130:439

Dynamic Stability of Axially Vibrating Columns, I.K. McIvor, EM6:Dec 64:191:4177

TR:130:714

Earthquake Response of a Yielding Structure, Paul C. Jennings, EM4:Aug 65:41:4435

Elastic and Inelastic Buckling of Portal Frames, Kuang-Han Chu and Algis Pabarcus, EM5:Oct 64:221:4094

TR:130:773

Elastica Supported at Midpoint by a Spring, George E. Sliter and Arthur P. Boresi, EM2:Apr 64:1:3854

TR:130:147

Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Brivvec and A.H. Chilver, EM6:Dec 63:217:3736

TR:130:173

Elastic Plates Subjected to Moving Heat Sources, Ardeshtir Jahanshahi, EM4:Aug 65:27:4426

Elastic Stability of Radially Nonhomogeneous Rings, S. Russell Keim, EM4:Aug 65:115:4447

Elastic Torsional Analysis of Irregular Shapes, Leonard R. Herrmann, EM6:Dec 65:11:4562

Experimental Buckling of Thin Shells of Revolution, John J. Burns, Jr., EM3:Jun 64:171:3946

TR:130:528

Experiments on Stability on Spherical Caps, Ta-Cheng Loo and Ross M. Evan-Iwanowski, EM3:Jun 64:255:3956

TR:130:69

Face-Wrinkling Mode of Buckling of Sandwich Panels, Billy J. Harris and W.C. Crisman, EM3:Jun 65:93:4370

Film Flow Along a Vertical Cylinder, Nabil A. Hassan and Joseph B. Franzini, EM4:Aug 64:23:3995

TR:130:761

Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anantharamu, EM6:Dec 63:139:3720

TR:130:141

Finite Element Analysis of Axis-Symmetric Solids, Ray W. Clough and Yusef Rashid, EM1:Feb 65:71:4229

Flow-Induced Structural Vibrations, Gerrit H. Toebes, EM6:Dec 65:39:4564

Fracture and Reliability of Filament-Wound Chambers, John N. Majerus and S.K. Ferreira, EM1:Feb 65:107:4234

Free Vibrations of Conical Shells, V.I. Weingarten, EM4:Aug 65:69:4440

General Computer Analysis of Beams, John E. Goldberg, John L. Bogdanoff, and William D. Glauz, EM3:Jun 64:135:3943

TR:130:80

Generation of Artificial Earthquakes, G.W. Housner and P.C. Jennings, EM1:Feb 64:113:3806

TR:130:530

Grid-Framework Method for Plates in Flexure, Alan L. Yettam and Husain M. Husain, EM3:Jun 65:53:4361

Heat Analysis-A Tensorial-Dimensional Approach, Sidney F. Borg, EM6:Dec 65:145:4584

Inelastic Lateral-Torsional Buckling of Beam Columns, Constancio Miranda and Morris Ojalvo, EM6:Dec 65:21:4563

Irrational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591

Lamella Beams and Grids, Donald L. Dean, EM2:Apr 64:107:3869

TR:130:255

Large Strain Analysis and Stresses in Linear Materials, August J. Durelli and Alfred P. Mulzet, EM3:Jun 65:65:4367

Limit Analysis of Circular Orthotropic Plates, Toshio Mura, Jao-Shiun Kao, and Seng-Lip Lee, EM5:Oct 64:375:4109

TR:130:607

Linear Strain Hardening of Cylindrical Shells, B.J. Thorn and S.L. Lee, EM4:Aug 64:97:4007

TR:130:752

Load-Deformation Behavior of Shells of Revolution, Steven C. Batterman, EM6:Dec 64:1:4167

TR:130:704

ENGINEERING MECHANICS Continued

Lumping of Mass in Calculation Vibration

Response, V.H. Neubert, EM1:Feb 64:47:3801

TR:130:219

Membrane Stresses in Laminated Anisotropic

Shells, Stanley B. Dong, EM3:Jun 64:53:3931

TR:130:228

Minimum Weight Plastic Design of Continuous

Frames, Donald A. Sawyer and Linton E.

Grinter, EM3:Jun 64:39:3927

TR:130:711

Mohole drilling sites to be in the Pacific, CE:

Mar 65:84

Network Analysis of Structures, Frank L.

Di Maggio and William R. Spillers, EM3:Jun 65:

169:4376

Non-Newtonian Flows--Their Value in Civil

Engineering, George Bugliarello, CE:Aug 65:68

Numerical Method for Structural Shock

Response, G.J. O'Hara and Patrick F. Cuniff,

EM2:Apr 64:51:3866

TR:130:169

On a Kind of Hysteretic Damping, Emilio

Rosenbluth and Ismael Herrera, EM4:Aug 64:

37:3999

TR:130:521

On the Shock Response of Inelastic Beams,

Kenneth E. Blanchard and Albert B. Schultz,

EM5:Oct 65:27:4500

Orthotropic Beams Under Polynomial Loads,

Isadore K. Silverman, EM5:Oct 64:293:4101

TR:130:634

Parametric Expansions for Oval Reinforced

Rings, William P. Vafakos and Neil Nissel,

EM5:Oct 64:1:4062

TR:130:577

Periodic Response of a General Yielding Structure,

Paul C. Jennings, EM2:Apr 64:131:3871

Particle-In-Cell Method Studies and their

Applications, Melvin L. Baron, Richard Skalak,

and Charles P. Lecht, EM3:Jun 65:129:4374

TR:130:121

Plastic Analysis of Orthotropic Circular

Plates, Joel Markowitz and Ling-Wen Hu, EM5:

Oct 64:251:4098

TR:130:639

Pressure Generated by Cavitation in a Pipe,

Wen-Hsiung Li and James P. Walsh, EM6:Dec

64:113:4168

TR:130:789

Random Vibrations of a Beam Column,

Masanobu Shinozuka and L. Henry, EM5:Oct 65:

123:4510

Relief of Residual Stresses by Heating Patterns,

T.H. Lin and Leslie M. Lackman, EM3:Jun 64:

87:3937

TR:130:675

Resonance Testing of Full-Scale Structures,

Donald E. Hudson, EM3:Jun 64:1:3923

TR:130:655

Response of a Cylindrical Shell to an Elastic

Wave, Michael J. Forrestal, Dronnadula V.

Reddy, and George Herrmann, EM3:Jun 65:1:

4354

Response of Elastic Cylinders to Plane Shear

Waves, Lawrence J. Mente and Francis W.

French, EM5:Oct 64:103:4083

TR:130:681

Response of Models to Water-Shock Loading,

Young C. Kim and Raymond C. Binder, EM6:

Dec 65:67:4565

Restraints Against Elastic Lateral Buckling,

Lewis C. Schmidt, EM6:Dec 65:1:4561

Rigidity and Strength of Composite Plates, C.

W. Beadle, J.W. Dally and W.F. Riley, EM6:

Dec 64:211:4183

TR:130:777

Seismic Analysis of Bridges on Long Piles,

Joseph Penzien, Charles F. Scheffey, and

Richard A. Parmelee, EM3:Jun 64:223:3953

TR:130:321

Series Solution of Skewed Plates, J.B. Kennedy

and M.W. Huggins, EM1:Feb 64:1:3795

TR:130:308

Shock and Reflection in a Nonlinear Medium,

Paul Weidinger, EM3:Jun 65:147:4375

Shock Response of a Simple Beam on Nonlinear

Supports, Theodore R. Tauchert and Robert S.

Ayre, EM6:Dec 65:91:4570

Slow Viscous Flow of an Incompressible

Suspension, Gerhard Oertel, EM5:Oct 65:145:

4517

Solution of Buckling Problems by Reduction

Method, P. Shuleshko, EM3:Jun 64:147:3945

TR:130:315

Spherical Elastic Plastic Shock Propagation,

Morton B. Friedman, Hans H. Bleich, and

Raymond Parnes, EM3:Jun 65:189:4377

Stability of Structures with Small Imperfec-

tions, John Roorda, EM1:Feb 65:87:4230

Stochastic Model for Predicting Subsidence,

Arnold L. Sweet and John L. Bogdanoff, EM2:

Apr 65:21:4292

Stresses at Tunnel Intersections, William F.

Riley, EM2:Apr 64:167:3875

TR:130:615

Stresses in a Layered Half-Plane, K.T.

Sundara, Raja Iyengar and R.S. Alwar, EM4:

Aug 64:79:4004

TR:130:404

Stresses in a Uniformly Loaded Two-Layer

Circular Plate, Martin A. Goldberg, Malcolm

Newman, and Marvin J. Forray, EM3:Jun 65:13:

4356

Stresses in Hyperboloids under Edge Loadings,

David G. Elms, David P. Billington, and Robert

Mark, EM4:Aug 65:89:4441

Thermal-Shock Effects on a Space Vehicle,

Lewis Li-Tang Au and Donald J. Trent, EM4:

Aug 65:1:4425

Two Degree-of-Freedom Elastoplastic Re-

sponse to a Step Velocity Pulse, Robert H.

Anderson, EM5:Oct 65:191:4524

Validity of a Stochastic Model for Predicting

Subsidence, Arnold L. Sweet, EM6:Dec 65:111:

4573

Vibrational Transfer from Shear Buildings to

Ground, Lydie S. Jacobsen, EM3:Jun 64:21:

3924

TR:130:691

Vibration of Thin Shells under Initial Stress,

George Herrmann and John Shaw, EM5:Oct 65:

37:4501

Vibrations and Stability of Buckled Panels,

Yao W. Chang and Ernest F. Masur, EM5:

Oct 65:1:4497

ENGINEERING MECHANICS Continued

- Von Mises Transformation for Boundary Layer Theory, Chieh-Shyang Song, EM2:Apr 64:17:3861
TR:130:239
- Wave Propagation in Elastic-Plastic Solids, R. L. Bjork and C. Y. Liu, EM5:Oct 65:77:4506

ENGINEERING SOCIETIES

- British Institution of Civil Engineers elects ASCE Member as 100th president, CE:Jan 65:94

ENGINEERS

- ASCE members elected to Academy of Engineering, CE:May 65:45
- Education for Sanitary Engineers, E. Sherman Chase, PP2:May 64:15:3894
TR:130:801
- Effect of the Space Age on the Engineering Profession, R. W. Johnson, PP1:Jan 64:1:3747
TR:130:247
- Interdisciplinary Education for Urban Planning, Harold L. Michael, PP1:Jan 64:29:3751
TR:130:797
- Professional Development-The Student's Responsibility, James R. Wright, PP1:Jan 64:9:3748
TR:130:793
- Some Ethical Implications of Professional Planning, James M. Abernathy, PP2:May 64:23:3896
TR:130:803
- Surveyors' Footsteps, W. C. Wattles, SU3:Oct 63:1:3659
TR:130:208

ENGINEERS JOINT COUNCIL

- Carl Frey elected secretary of EJC, CE:Feb 65:45
- EJC publishes symposium on "Relationships between Engineering Societies and Industry," CE:Jun 65:81
- EJC reports that engineering faculty salaries increase CE:Sep 65:44
- Engineering Manpower Commission of EJC reports salaries, 1962-1964, CE:Feb 65:44
- Engineering Manpower in Profile published by EJC and National Science Foundation, CE:Sep 65:77
- Handbook on selective service issued by EJC, CE:May 65:80
- Presents honorary awards, CE:Mar 65:74

ENVIRONMENTAL ENGINEERING

- American Sanitary Engineering Intersociety Board to broaden its activities, CE:Aug 65:89
- ASCE Environmental Engineering Conference and Annual Meeting, Kansas City, Mo., Oct 18-22, Program CE:Aug 65:76, Sep 65:76; Report, Nov 65:56
- See also Cole-Weather Construction Closed Ecological Systems, William J. Oswald, Clarence G. Golueke, and D. O. Horning, SA4:Aug 65:23:4445
- Comprehensive Flood Damage Prevention, John W. Weathers, HY1:Jan 65:17:4193
- Digital Computers and Environmental Control, Gordon P. Fisher and Walter R. Lynn, PP1:Jan 64:15:3749
TR:130:334

Educational Considerations for Environmental Engineering, Robert L. Smith, HY1:Jan 65:9:4191

Environmental Behavior of Nuclear Debris, Conrad P. Straub, Melvin W. Carter, and Dade W. Moeller, SA6:Dec 64:25:4159
TR:130:764

Environmental Effects of Flood Plain Regulations, Eugene W. Weber and Walter G. Sutton, HY4:Jul 65:59:4402

How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690

TR:130:641

Roadside Planting in California, W. L. Warren, CE:Aug 64:67

TR:130:373

Sanitary Engineering in Alaska, Amos J. Alter, CE:Mar 64:48

Dec: Neil L. Drobny, CE:May 64:62

TR:130:145

Sewage Lagoons and Man's Environment, Jerome H. Svore, CE:Sep 64:54

TR:130:409

Surveying and Mapping and Environmental Engineering, William T. Pryor, SU2:Jul 64:1:3961

TR:130:631

EPOXY RESINS

- Epoxy-Lined Pipe Reduces Cost of San Buenaventura Trunk Sewer, Alvin J. Hotz, Jr., CE:Sep 64:64
TR:130:501
- Massachusetts--Tunnel under Boston's Prudential Center painted cheaply with epoxy, CE:Sep 65:89
- Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE:Nov 65:87

EROSION

- Cellular Concrete Block Revetment, D. A. Parsons and R. P. Apmann, CE:Feb 65:66
- Erosion and Deposition of Cohesive Soils, Emanuel Partheniades, HY1:Jan 65:105:4204
- Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:251:4260
- Sediment Transportation Mechanics: Wind Erosion and Transportation: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:267:4261
- Stabilization of Sand Dunes at Vandenberg Air Force Base, John Peters and Joe Sciadrone, SM4:Jul 64:97:3976
TR:130:344
- Study of Channel Erosion and Sediment Transport, Carl F. Nordin, Jr., HY4:Jul 64:173:3984
TR:130:277

ESTIMATES

- Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579

ESTUARIES

- Erosion and Desposition of Cohesive Soils,
Emmanuel Partheniades, HY1:Jan 65:105:4204
Estuarine Distribution of Nonconservative
Substances, Donald J. O'Connor, SA1:Feb 65:
23:4225
Mathematical Model for Dissolved Oxygen,
Robert V. Thomann, SA5:Oct 63:1:3680
TR:130:153
Tidal Characteristics of Two Estuaries in
Florida, William B. Stelzenmuller, WW3:
Aug 65:25:4431

ETHICS

- Consulting Engineering in Foreign Countries,
E. Montford Fucik, PP1:Jan 64:37:3760
TR:130:21
Ethics and Municipal Engineers in Private
Practice, Francis Pandullo, PP2:Sep 65:1:4455
Some Ethical Implications of Professional
Planning, James M. Abernathy, PP2:May 64:
23:3896
TR:130:803
The Value of Management in the Construction
Industry, H.C. Turner, Jr., CE:Feb 64:59
TR:130:163
Using Engineering to Enslave You, Adolph J.
Ackerman, CE:Jul 64:67
Dsc: Alan R. Chandler, CE:Sep 64:69; Allan
C. Tedrow, Sep 64:69; Archie Mathews, Sep
64:69; Alfred R. Golze, Oct 64:66; Leon D.
Luck, Oct 64:67; Alfred Ogram, Nov 64:73
TR:130:340

EVAPORATION

- Evaporation Reduction on Large Reservoirs,
C. Earl Israelsen and Vaughn E. Hansen, IR1:
Mar 65:93:4262
Potential Evaporation and River Basin Evapora-
tion, Fred I. Morton, HY6:Nov 65:67:4534

EXCAVATION

- Blasting Design Criteria, Marvin Gates, CE:
Jan 64:54
TR:130:269
Florida--The Cross-Florida Barge Canal under
Construction, F.O. Biehn, CE:May 65:48
Nuclear Excavation of a Sea-Level Isthmian
Canal, Ernest Graves, Jr., CE:Oct 64:48
TR:130:461

EXPLOSIONS

- Dynamic Plastic Analysis of Steel Frames,
Barry Rawlings, ST3:Jun 64:265:3954
TR:130:649
Response of Models to Water-Shock Loading,
Young C. Kim and Raymond C. Binder, EM6:
Dec 65:67:4565

EXPLOSIVES

- Blasting Design Criteria, Marvin Gates, CE:
Jan 64:54
TR:130:269
New Light on Blasting Vibration Effects,
Harold H. White, CE:Apr 64:61
TR:130:252

Soil Surface Compaction with a Foam-Type
Explosive, L.J. Goodman, A.R. Aidun, and
C.S. Grove, Jr., SM1:Jan 65:143:4211

EXPOSITIONS

- A Special Report on the World's Fair, Frank
J. Schneller, Jr., CE:Jun 64:54
TR:130:487

FAILURE

- Baldwin Hills Dam Failure, Walter E. Jessup,
CE:Feb 64:62
Dsc: Paul Baumann, CE:Apr 64:66; Alfred R.
Golze, Apr 64:66
TR:130:137
Collapse of Arches Under Repeated Loading,
Vicenzo Franciosi, Giuliano Augusti, and Renato
Sparacio, ST1:Feb 64:165:3803
TR:130:391
Fracture and Reliability of Filament-Wound
Chambers, John N. Majerus and S.K. Ferreira,
EMI:Feb 65:107:4234
Guam Typhoon Tears Out Hospital Windows,
Harold V. Ehlers, CE:Jul 64:56
TR:130:337
Membrane Forces and Buckling in Reticulated
Shells, Douglas T. Wright, ST1:Feb 65:173:
4227
Plastic Pipe for Water and Gas Distribution,
R.I. Leininger, PL1:Jul 65:1:4404
Response of Models to Water-Shock Loading,
Young C. Kim and Raymond C. Binder, EM6:
Dec 65:67:4565
Washington--Legacy of Galloping Gertie
(Tacoma Narrows Bridge), Robert Goller, CE:
Oct 65:50

FALLOUT

- Environmental Behavior of Nuclear Debris,
Conrad P. Straub, Melvin W. Carter, and Dade
W. Moeller, SA6:Dec 64:25:4159
TR:130:764
New Trends in Fallout Protection, Seymour
Wengrovitz and Gordon W. Hirtle, CE:Jul 65:47

FILTERS (Fluid)

- Filtration Through Size-Graded Media, Ernest
W.J. Diaper and Kenneth J. Ives, SA3:Jun 65:
89:4378
Hydraulics of Thin Film Flow, Joseph B.
Franzini and Nabil A. Hassan, HY2:Mar 64:23:
3816
TR:130:23
Mechanics of Inclined Filters in Earth Dams,
V.J. Patel, A.V. Gopala Krishnayya, and K.L.
Arora, SM2:Mar 64:87:3840
TR:130:457
Research on Variables Affecting Filtration,
Kenneth J. Ives and Ihsan Sholji, SA4:Aug 65:1:
4436

FILTRATION

- Filtration Through Size-Graded Media, Ernest
W.J. Diaper and Kenneth J. Ives, SA3:Jun 65:
89:4378
Interstitial Pressures on Rock Foundations of
Dams, J. Laginha Serafim and Alejandro del
Campo, SM5:Sep 65:65:4484

FILTRATION Continued

Research on Variables Affecting Filtration,
Kenneth J. Ives and Ihsan Sholji, SA4:Aug 65:1:
4436

FINANCING

Economics and Finance in Airport Planning,
Belford Brown, AT2:Oct 64:197:4080
TR:130:488

Engineering for Marine Exploration and De-
velopment, Edward Wenk, Jr., PP2:Sep 65:35:
4466

Financing Future Intercity Transportation
Systems, Ronald W. Pulling, HW1:Jan 65:1:
4187

Financing Urban Transportation, T.R. Todd
and Robley Windfrey, HW2:Dec 65:89:4586

Interest on Capital Invested in Construction,
J.F. Muir and Eugen Raus, PO1:Sept 63:1:3622
TR:130:635

Metropolitan Drainage Planning in Los Angeles
County, M.E. Salsbury, SA6:Dec 63:37:3739
TR:130:209

Starting Your Own Consulting Practice--Busi-
ness and Finance, Joseph S. Ward, CE:Jan 65:53

FIRE PROTECTION

Prestressed Lift Slabs Withstand Fire, G.E.
Troxell, CE:Sep 65:64

FLOOD CONTROL

Are Flood-Plain Regulations Sound?, C.J.
Posey, CE:Jun 65:68

Comprehensive Planning in the Southeast,
George E. Tomlinson, HY5:Sep 65:81:4480

Corps of Engineers' projects authorized under
Omnibus Rivers and Harbors and Flood Control
Act of 1965, CE:Dec 65:88

East Pakistan--Master Plan for Water and
Power Development, Ernest M. Bowles, CE:
Aug 65:56

Flood Plain Management Improves Man's En-
vironment, James E. Goddard, WW4:Nov 63:67:
3702

TR:130:24

Iowa--Transport trailer aids in Mississippi
flood fight at Davenport, CE:Jun 65:92

Mathematical Representation of an Urban Flood
Plain, Viraf S. Bhavnagri and George Buglairello,
HY2:Mar 65:149:4265

Optimum Design of Multi-Purpose Reser-
voirs, Warren A. Hall, HY4:Jul 64:141:3972
TR:130:762

FLOODS

Comprehensive Flood Damage Prevention,
John W. Weathers, HY1:Jan 65:17:4193

Effect of Floods and Obsolescence on Bridge
Life, Manuel A. Benson and N.C. Matalas,
HW1:Jan 65:55:4208

Environmental Effects of Flood Plain Regu-
lations, Eugene W. Weber and Walter G.
Sutton, HY4:Jul 65:58:4402

Flood Plain Management Improves Man's En-
vironment, James E. Goddard, WW4:Nov 63:67:
3702

TR:130:24

Hydrology of Spillway Design: Introduction,
Harvey O. Banks, HY3:May 64:235:3912
TR:130:287

Hydrology of Spillway Design: Large Struc-
tures--Adequate Data, Franklin F. Snyder,
HY3:May 64:239:3915

TR:130:587

Hydrology of Spillway Design: Large Struc-
tures--Limited Data, Victor A. Koelzer and
Marcel Bitoun, HY3:May 64:261:3913

TR:130:569

Sequential Generation of Rainfall and Runoff
Data, Ven Te Chow and S. Ramaseshan, HY4:
Jul 65:205:4416

Tactically Maximized Small Watershed Flood
Estimates, Brian M. Reich and Lourens A.V.
Hiemstra, HY3:May 65:217:4339

Travel Time of Waves in Backwaters, Andrew
L. Simon, HY6:Nov 63:1:3689
TR:130:84

FLOORS

Buckling of Multistory Buildings, John E.
Goldberg, EM1:Feb 65:51:4223

Paving Roof Decks and Industrial Floors,
Lansing Tuttle, CE:Jul 64:58

TR:130:301

FLUMES

Mounting Plate Glass in Sides of Flumes and
Tanks, Elton F. Daly, CE:Jun 65:74

Natural Roughness Effects in Rigid Open
Channels, A.G. Mirajgaoaker and K.L.N.
Charlu, HY5:Sep 63:29:3630

TR:130:544

Regime Criteria for Alluvial Streams, R.J.
Garde and K.G. Ranga Raju, HY6:Nov 63:153:
3705

TR:130:178

Simplified Flow Corrections for Parshall
Flumes under Submerged Conditions, A.R.
Robinson, CE:Sep 65:75

Temporary Flow Measurement in Sewers and
Drains, M.H. Diskin, HY4:Jul 63:141:3574
TR:130:299

FLY ASH

Air Pollution from Incinerators--Causes and
Cures, Leo P. Flood, CE:Dec 65:44

FOLDED PLATES

Analysis Comparisons for Single Curved Shell
Roofs, Paul E. Mast, ST2:Apr 65:1:4282

Analysis of Continuous Folded Plate Surface,
Fred W. Beaufait, ST6:Dec 65:117:4555

Analysis of Folded Plate Structures, George G.
Goble, ST1:Feb 64:93:3797

TR:130:387

Analysis of Short Folded Plates, Max Reiss and
Michael Yitzhak, ST5:Oct 65:233:4516

Analysis of Short Span Folded Plates, Kaveti
Seetharamulu and Mangesh G. Kulkarni, ST3:
Jun 64:165:3939

TR:130:699

Comparison of Simplified Theories for Folded
Plates, Graham H. Powell, ST6:Dec 65:1:4552

FOLDED PLATES Continued

- Prismatic Shells with Intermediate Columns, Victor A. Pulmano and Seng-Lip Lee, ST6: Dec 65:215:4578
- Ribless Folded Plates, Seng Lip Lee, Victor A. Pulmano, and T.J. Lin, ST1:Feb 65:253: 4238
- Test of a Ferro-Cemento Precast Folded Plate, Tekal Vishwanath, Ramkrishna P. Mhatre, and Kaveti Sesharamulu, ST6:Dec 65:239:4583

FOOTINGS

- Approximation for Terzaghi's Bearing Capacity Factors, Raymond J. Krizek, SM2:Mar 65:1: 4247
- Designing Isolated Footings against Overturning, Donald G. Newnan, CE:Dec 65:70
- Design of Footing Exposed Exterior Column, Yin-chow Chang, SM4:Jul 65:77:4401
- Dissipation of Elastic Wave Energy in Granular Soils, John R. Hall, Jr., and Frank E. Richart, Jr., SM6:Nov 63:27:3698
- TR:130:663

FORECASTING

- Financing Future Intercity Transportation Systems, Ronald W. Pulling, HW1:Jan 65:1:4187
- Forecasting Airport Traffic, Norman L. Johnson, AT2:Oct 64:181:4079
- TR:130:665
- Forecasting Air Traffic, Ronald E. Miller, AT2:Oct 65:1:4486
- Graphical Method for Discounting Future Benefits in Feasibility Studies, George E. Ribble, CE:Nov 65:86
- Intercity Travel Characteristics, Ronald W. Pulling, AT1:Apr 65:1:4296
- Metropolitan Transportation Problem, Harland Bartholomew, UP1:Jul 65:7:4391
- River Flood Flows, Forecasts and Probabilities, Michael C. Quick, HY3:May 65:1:4312

FOREIGN ENGINEERING

- Africa--Civil engineering positions available, CE:Sep 65:88
- A New and Better Foreign Technical Assistance Program, John S. Hale, CE:Jul 65:62
- Dsc, I. Khwaja, CE:Oct 65:80
- Argentina--Huge hydroelectric project planned on Neuquen and Limay Rivers, CE:Jul 65:85
- ASCE asks President's help in determining use of public agency or private services on foreign work, CE:Jan 65:40
- A Tunnel Favored for English Channel Crossing, John O. Bickel, CE:Jul 64:35
- TR:130:304
- Australia--Contract let for Blowering Dam in New South Wales, CE:Apr 65:96
- Australia--U.S. Navy awards contract for communication station in Northwest Cape, CE: Jun 65:93
- Belgian 223-Ft Barge Lift Keeps Vessels Afloat on Inclined Railway, Hal W. Hunt and J.K. Huckerby, CE:Dec 64:70
- TR:130:715
- Brazil--Concrete arch bridge links Brazil and Paraguay, CE:May 65:89

- Brazil--USBR releases report on Arguaia-Tocantins River basin, CE:Jun 65:90
- Bridges on Stockholm Motorway, S. Lund, CE:Dec 64:62
- TR:130:731
- Canada--Bridge-tunnel to connect New Brunswick and Prince Edward Island, CE:Sep 65:90
- Canada--Construction begun on Arrow Dam in British Columbia, CE:Jul 65:86
- Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53
- Canada--Large radio telescope under construction in Montreal, CE:Jun 65:90
- Canada--Slip-formed observation tower for Niagara Falls, CE:May 65:87
- Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE: May 65:62
- Canada--Work begun on underground power plant for British Columbia, CE:Jul 65:88
- Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47
- Coastal Engineering in Japan, R.L. Wiegand and Kiyoshi Horikawa, CE:Dec 64:76
- TR:130:719
- Colombia--Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Miraflores Dam, C.Y. Li, CE:Dec 64:51
- Dsc: by author, CE:Jun 65:72
- Consulting Engineering in Foreign Countries, E. Montford Fucik, PPI:Jan 64:37:3760
- TR:130:21
- East Pakistan--Master Plan for Water and Power Development, Ernest M. Bowles, CE:Aug 65:56
- Egypt--Salvaging Abu Simbel Temple gets under way, CE:Apr 65:96
- Engineered Construction in Sweden, Hal W. Hunt, CE:Dec 64:58
- TR:130:708
- England--London Bridge to be replaced, CE: Sep 65:87
- Europe--Mont Blanc tunnel connects France and Italy, CE:Sep 65:90
- Europe--Oil pipeline through Alps begun, CE: Aug 65:105
- Europe--Work on Spanish-French tunnel under Pyrenees to begin, CE:Sep 65:88
- France--Long suspension bridge to cross Garonne River at Bordeaux, CE:Oct 65:103
- Ghana's Akosombo Dam--Design and Construction, R.P. Ware and D.R. Hooper, CE:Dec 64: 65
- Dsc: Ole P. Erickson, CE:Mar 65:62
- TR:130:735
- Greece--A Concrete Cutoff Wall for earthfill Peneos Dam Th. C. Gofas, CE:Jun 65:56
- Inland Water Transportation in Poland, Fryderyk Tomala, WW1:Feb 65:1:4231
- Italy--Study of bridge between Italy and Sicily, CE:May 65:86
- Mexico--Balsas River Dam to be ready soon, CE:Apr 65:99
- Military Engineering in Vietnam, Peter A. Corradi, CE:Nov 65:47

FOREIGN ENGINEERING Continued

- More unit prices around the world (from U.S. Air Force), ASCE Construction Div. Committee Report, CE:Jun 65:75
- Peace Corps needs volunteers for Tunisia, CE:Jun 65:92
- Portugal--Roadway for Tagus River Bridge begun, CE:Jul 65:85
- Scotland--Possible world tunneling record set in Mhoille aqueduct tunnel, CE:Jul 65:88
- Spain--Water treatment plant to be built for Madrid, CE:Jun 65:95
- Sweden--Building foundation built as a caisson for port storage in Stockholm, Hal W. Hunt, CE:Jan 65:60
- Switzerland--Avalanche buries Mattmark Dam construction camp, CE:Nov 65:112
- The American Consulting Engineer Abroad, Edward J. Quirin, CE:Mar 65:45; Apr 65:54, May 65:60
- The Netherlands--Rotterdam's Rapid Transit Tunnel, Ir. G. Plantema, CE:Aug 65:34
- Translation of Foreign Literature on Hydraulics: Seventh Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics, ASCE, Jan C. Van Tienhoven, Chmn, HY2:Mar 65:27:4245
- Unit Prices Around the World, ASCE Construction Division Committee Report, CE:Aug 64:75 TR:130:362
- Venezuela--Suspension bridge to cross Orinoco River at Ciudad Bolivar, CE:Sep 65:88
- Water for the World, M.D. Morris, William E. Wood, James J. Geraghty, James Gould, Gordon R. Williams, Donald F. Othmer, Donald R. Lueder, Malcolm Pirnie, Jr., and Arthur C. Ford, SAI:Feb 65:1:4220
- Water Supply for Saigon, Walter T. McPhee, CE:Sep 65:59
- Yugoslavia--Belgrade gets new TV tower, CE:Sep 65:87

FORMWORK (Construction)

- Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J.C. McCraw, CE:Nov 65:70
- Canada--Slip-formed observation tower for Niagara Falls, CE:May 65:87
- Lateral Pressure of Concrete on Formwork, R.L. Peurifoy, CE:Dec 65:60
- Slipforming a Chimney 450 Ft High in Nottingham, Ole Wewer, CE:Dec 64:74 TR:130:739

FOUNDATIONS

- Analysis of a Two-Layer Viscoelastic System, David C. Kraft, EM6:Dec 65:129:4576
- Apollo-a trip to the moon--symposium, (3) Vehicle Assembly Building--foundations, Philip C. Rutledge, Jan 65:50
- Box-Type Mat Solves Foundation Problem for Syracuse Housing Project, Francis A. Hahn, CE:Jul 64:62 TR:130:297
- Criteria for Acceptability of Papers: Report of the Committee on Publications of the Soil Mechanics and Foundations Division, ASCE, R.V. Whitman, Chmn, SM3:May 65:51:4326

- Design of Footing for Exposed Exterior Column, Yin-chow Chang, SM4:Jul 65:77:4401
- Design of Laterally Loaded Piles, Bengt B. Broms, SM3:May 65:79:4342
- Development of Arch Action in Arch Dams, K.V. Swaminathan, PO1:May 65:39:4329
- Dissipation of Elastic Wave Energy in Granular Soils, John R. Hall, Jr., and Frank E. Richart, Jr., SM6:Nov 63:27:3698 TR:130:663
- Dynamic Response of Beam on Viscoelastic Subgrade, Jan D. Achenbach and Chin-teh Sun, EM5:Oct 65:61:4504
- Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz, SM5:Sep 65:1:4476
- Fill Settlement Despite Vertical Sand Drains, George F. Sowers, SM5:Sep 64:289:4044 TR:130:685
- Foundation Behavior of Iron Ore Storage Yards, Ralph B. Peck and Tonis Raamot, SM3:May 64:85:3902 TR:130:783
- Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576 TR:130:271
- Foundations on Fissured Limestone--How They Were Selected, Henry M. Reitz, CE:Sep 65:52
- Golden Gateway (Symposium): M. Justin Herman, William W. Moore, Stanley E. Teixeira, Don Gillis, CE:Jan 64:31 TR:130:17
- Interstitial Pressures on Rock Foundations of Dams, J. Laginha Serafim and Alejandro del Campo, SM5:Sep 65:65:4484
- Load Transfer in a Step-Taper Pile, Elio D'Appolonia and John A. Hribar, SM6:Nov 63:57:3700 TR:130:353
- New Tainter Gate Hoist, H. Spencer Green, PO2:Jul 64:1:3970 TR:130:266
- Old Method with New Twist Solves Bank Shoring Problem, Howard R. Gould, CE:Feb 64:51 TR:130:105
- Pile and Pier Foundations, Ralph B. Peck, SM2:Mar 65:33:4273
- Precompression for Support of Shallow Foundations, Harl P. Aldrich, Jr., SM2:Mar 65:5:4267
- Preloading Results in Tank Foundation Economies, Louis J. Goodman and Norbert E. Faltyn, CO1:May 65:125:4335
- Pressure Cell Observations--Garrison Dam Project, H.A. Sikso and C.V. Johnson, SM5:Sep 64:157:4023 TR:130:653
- Rebound in Redesign of Oahe Dam Hydraulic Structures, Lloyd B. Underwood, Stanley T. Thorfinnson, and William T. Black, SM2:Mar 64:65:3830 TR:130:47
- Role of the 'Calculated Risk' in Earthwork and Foundation Engineering, Arthur Casagrande, SM4:Jul 65:1:4390

FOUNDATIONS Continued

- Seismic Analysis of Bridges on Long Piles, Joseph Penzien, Charles F. Scheffey, and Richard A. Parmelee, EM3:Jun 64:223:3953
 TR:130:321
- Settlement Analyses, A Review of Theory and Testing Procedures, H. Bolton Seed, SM2:Mar 65:39:4275
- Settlement Response Caused by Footing Groups, Raymond J. Krizek and Robert L. Kondner, SM5:Sep 64:269:4045
 TR:130:659
- Shallow Foundations, George G. Meyerhof, SM2:Mar 65:21:4271
- State-of-the-Art of Floating Foundations, Hugh Q. Golder, SM2:Mar 65:81:4278
- Sweden--Building foundation built as a caisson for port storage in Stockholm, Hal W. Hunt, CE:Jan 65:60
- Tolerance of Structures to Settlement, Jacob Feld, SM3:May 65:63:4336
- Variable-Factors Theory of Bearing Capacity, George C. Y. Hu, SM4:Jul 64:85:3969
 TR:130:291
- Vibration of Gas Compressor Foundation Controlled by Chemical Grouting, Gregory P. Tschobanoff, CE:May 64:34
 TR:130:253
- Waterproofing Below the Ground Line, Thaddeus R. L. Lazarr, CE:Jun 65:73

FRAMES

- Analysis of Deflections in Elastic-Plastic Frames, Niels C. Lind, ST3:Jun 65:197:4381
- A Study of Mechanisms with Application to Frames, Jacques E. Benveniste, EM1:Feb 65:19:4222
- Calculating Deflections of a Partially Collapsed Frame, Nicholas Perrone and Michael C. Soteriades, EM1:Feb 65:1:4214
- Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717
 TR:130:34
- Design of Haunched Beams by Fixed Points, Stanton E. Huey, ST2:Apr 64:13:3858
 TR:130:613
- Dynamic Analysis of Elastic-Plastic Frames, Arthur C. Heidebrecht, Seng-Lip Lee, and John F. Fleming, ST2:Apr 64:315:3881
 TR:130:33
- Eigen-Matrix Method for Beams and Plates, Hidenosuke Tanimoto, ST5:Oct 63:173:3681
 TR:130:103
- Elastic and Inelastic Buckling of Portal Frames, Kuang-Han Chu and Algis Pabarcus, EM5:Oct 64:221:4094
 TR:130:773
- Elastic Buckling of Rigidly-Jointed Braced Frames, S. J. Britvec and A. H. Chilver, EM6:Dec 63:217:3736
 TR:130:173
- Generalization of Hardy Cross Method, Lino Quirko, ST5:Oct 65:57:4502
- Inelastic Buckling of Steel Frames, Le-Wu Lu, ST6:Dec 65:185:4577
- Iterative Limit Load Analysis for Tall Frames, Niels C. Lind, ST2:Apr 64:103:3867
 TR:130:661

Limit Analysis of Grid Frameworks, F. S. Shaw, ST5:Oct 63:1:3658

- TR:130:330
- Matrix Analysis of Semi-Rigidly Connected Frames, G. R. Monforton and T. S. Wu, ST6:Dec 63:13:3713
 TR:130:149
- Minimum Weight Plastic Design of Continuous Frames, Donald A. Sawyer and Linton E. Grin-ter, EM3:Jun 64:39:3927
 TR:130:711
- Moment Coefficients for Frame Analysis, Frederick P. Wiesinger, Seng-Lip Lee and John F. Fleming, ST6:Dec 63:1:3712
 TR:130:39
- Moment Equations for Computer Analysis of Frames, Semih S. Tezcan, ST3:Jun 64:35:3926
 TR:130:673
- Nonlinear Behavior of Structural Plane Frames, S. A. Saafan, ST4:Aug 63:557:3615
 TR:130:197
- Preliminary Analysis of Continuous Curved Girder Frames, Delbert C. Carman and Jan J. Tuma, ST4:Aug 64:191:4025
 TR:130:642
- Pressure Testing of Thick Reinforced Concrete Cell, Stanley H. Fistedis, ST2:Apr 64:31:3860
 TR:130:324
- Strength of Single-Story Steel Frames, Joseph A. Yura and Theodore V. Galambos, ST5:Oct 65:81:4507
- Structural Analysis of Multistory Buildings, Ray W. Clough, Ian P. King, and Edward L. Wilson, ST3:Jun 64:19:3925
 TR:130:729
- Structural Subassemblages Prevented from Sway, Victor Levi, George C. Driscoll, Jr., and Le-Wu Lu, ST5:Oct 65:103:4509
- Tri-Diagonal Matrix Method for Complex Structures, B. E. Gatewood and Norik Ohanian, ST2:Apr 65:27:4291
- Zero Sidesway Axis of Rigid Frames, A. J. Celis and P. Glockner, ST5:Oct 63:65:3662
 TR:130:19

FRANCE

Alluvium Grouting Proved Effective on Alpine Dam, Darius Bonazzi, SM6:Nov 65:81:4544

FRICTION

- Factors Influencing Flow in Large Conduits: Report of the Task Force on Flow in Large Conduits of the Committee on Hydraulic Structures, ASCE, Frederic L. Lawton, Chmn, HY6:Nov 65:123:4543
- Shearing Resistance of Soils as a Rate Process, James K. Mitchell, SM1:Jan 64:29:3773
 TR:130:369

FRINGE BENEFITS

Fringe Benefits in Civil Engineering Compensation, Clair A. Hill, CE:Jul 65:64

FUEL

- Airplane Fuel--From Barge to Plane, CE:Jun 64:34
 TR:130:478

GAGES

County Rain-Gage Network Useful in Design, Alfred R. Pagan and Ronald Rothenberg, CE: Apr 65:68

See also under specific headings, such as PRESSURE GAGES, etc.

GARAGES

New York--Automatic Garage Attendant Keeps Tabs on Traffic and Tolls, CE:Aug 65:54

GAS STORAGE

Storage Containers for Liquefied Natural Gas, P.J. Anderson and A. R. Khan, CE:Aug 65:65

GATES

Analysis of Multicell Box Gates for Dry Docks, Mohamed Ali El-gaaly, ST3:Jun 65:171:4380
Navigation Locks: Navigation Lock Gates and Valves, George C. Richardson, WW1:Feb 64: 79:3799

TR:130:394

New Tainter Gate Hoist, H. Spencer Green, PO2:Jul 64:1:3970

TR:130:266

Prestressed Anchorage for Large Tainter Gate, Andrew Eberhardt and Jan A. Veltrop, ST6:Dec 64:123:4170

TR:130:757

GEODESY

Vertical Gradient of Gravity, Ivan I. Mueller, SU2:Jul 64:83:3975

TR:130:235

GEOLOGY

Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531

TR:130:206

Machine Tunneling on Missouri River Dams, Lloyd B. Underwood, CO1:May 65:1:4314
Rebound in Redesign of Oahe Dam Hydraulic Structures, Lloyd B. Underwood, Stanley T. Thorfinnson, and William T. Black, SM2:Mar 64:65:3830

TR:130:47

Retreat of Lakeshore Bluffs, Howard J. Pincus, WW1:Feb 64:115:3809

TR:130:343

USGS to explore earth's crust by explosions, CE:Jun 65:93

Vaiont Reservoir Disaster, George A. Kiersch, CE:Mar 64:32

Dec: G.E.H. Ballard, CE:Jul 64:70; Author's reply, CE:Jul 64:70; Carlo Berghinz, CE:Mar 65:53

TR:130:155

GEOMETRY

Spiral Problems for an Electronic Computer, Elias C. Tonias, HW2:Dec 65:101:4590

GIRDER BRIDGES

Ultimate Strength Design for Highway Bridges, Howard L. Payne and Lamar H. Caldwell, ST5: Oct 65:43:4499

Welded Bridge Girders, Omer W. Blodgett,

CE:Jan 64:51

TR:130:27

GIRDERS

Plastic Analysis of Circular Balcony Girders, Kuang-Han Chu and Arthur Thelen, ST6:Dec 63: 159:3726

TR:130:62

Preliminary Analysis of Continuous Curved Girder Frames, Delbert C. Carman and Jan J. Tuma, ST4:Aug 64:191:4012

TR:130:642

Welded Constructional Alloy Plate Girders, P.B. Cooper, H.S. Lew, and B.T. Yen, ST1: Feb 64:1:3784

TR:130:123

GLASS

Mounting Plate Glass in Sides of Flumes and Tanks, Elton F. Daly, CE:Jun 65:74

GLUING

The Prestressed Glued Joint for Steel Connections, George Kestro, CE:Apr 65:75

GOVERNMENT

Professional Development, the Younger Viewpoint (Symposium)--In Public Practice, Victor F. Jelen, CE:Apr 64:54

TR:130:283

Role of Government on Water Resource Development, Ayers Brinsler, IR4:Dec 65:13:4558

GOVERNMENT AGENCIES

Unit Prices Around the World, ASCE Construction Division Committee Report, CE:Aug 64:75

TR:130:362

GRAPHS (Charts)

Influence Lines for Beams on Elastic Foundations, K.T. Sundara Raja Iyengar and S. Anantharamu, ST3:Jun 65:45:4359

Influence-Line Spectrum by Graphical Construction, Charles G. Salmon, and Donald R. Buettner, CE:Jul 64:54

TR:130:428

GREAT LAKES

Vertical Control on the Great Lakes, Gilbert E. Ropes, SU1:Apr 65:35:4289

GROUND WATER

Double Slope Method for Pumping Test Analysis, Kamal F. Saad, Ahmed Shukry, and Aly Baligh, IR2:Jun 65:51:4363

Economics of Ground-Water Recharge, David K. Todd, HY4:Jul 65:248:4418

Exact Free Surface of Gravity Wells, Abdel-Aziz I. Kashef, HY4:Jul 65:167:4413

Ground-Water Management for the Nation's Future--Effecting Optimum Ground-Water Basin Management, Vernon E. Valentine, HY4:Jul 64: 97:3981

TR:130:733

Ground-Water Management for the Nation's Future--Optimum Conjunctive Operation of Ground-Water Basins, Robert Y.D. Chun,

GROUND WATER Continued

Lewis R. Mitchell, and Kiyoshi W. Mido, HY4:
Jul 64:79:3965

TR:130:355

Ground-Water Management for the Nation's
Future—Water Resources Management Through
Ground-Water Basin Operation, Lloyd C.
Fowler, HY4:Jul 64:51:3985

TR:130:725

Ground-Water Models Solved by Digital Com-
puter, Irwin Remson, Charles A. Appel, and
Raymond A. Webster, HY3:May 65:133:4330

Hydrogeologic Electric Analog Computer,
William C. Walton and Thomas A. Prickett,
HY6:Nov 63:67:3695

TR:130:43

Inflow Hydrographs from Large Unconfined
Aquifers, Hassan Ali Ibrahim and Wilfried
Brutsaert, IR2:Jun 65:21:4357

Plastic Surgery on Irrigation Areas, Kent S.
Ehrman, CO1:Mar 64:47:3837

TR:130:29

Simplified Solution for Decreasing Flow in
Wells, Gert Aron and Verne H. Scott, HY5:
Sep 65:1:4459

Stream-Aquifer System Analysis, Ali Eshett
and Morton W. Bittinger, HY6:Nov 65:153:4545
Supplement to Peterson's Design of Replenish-
ment Wells, Mahdi S. Hantush, IR1:Mar 64:67:
3838

TR:130:101

The Law of the Underground, James H.
Krieger, CE:Mar 64:52

TR:130:167

Tile Drainage Performance, Coachella Valley,
California, Arthur F. Pillsbury, J.R. Spencer,
William R. Johnston, and L.O. Weeks, IR2:
Jun 65:1:4344

Two-Dimensional Infiltration and Wetting
Fronts, Sadik Toksoz, Don Kirkham, and E.
Robert Baumann, IR3:Sep 65:65:4477

Unsaturated Flow in Ground Water Hydraulics,
Herman Bower, HY5:Sep 64:121:4057

TR:130:593

Water for the World, M.D. Morris, William
E. Wood, James J. Geraghty, James Gould,
Gordon R. Williams, Donald F. Othmer, Donald
R. Lueder, Malcolm Pirnie, Jr., and Arthur C.
Ford, SA1:Feb 65:1:4220

Whittier Narrows Water Reclamation Plant,
John D. Parkhurst and Walter E. Garrison,
CE:Sep 64:60

TR:130:499

GROUTING

Concept of Curtain Grouting Evaluation, Le-
land F. Grant, SM1:Jan 64:63:3775

TR:130:349

Foundations on Fissured Limestone--How They
Were Selected, Henry M. Reitz, CE:Sep 65:52

North Carolina--Controlling Leakage from
Cowans Ford Dam, Joe T. Moore, CE:Jun 65:52

Vibration of Gas Compressor Foundation Con-
trolled by Chemical Grouting, Gregory P.
Tschebotarioff, CE:May 64:34

TR:130:253

GUY WIRES

Deflection of Tall Guyed Tower in Dallas, J.K.
Groseclose, CE:Nov 64:68

TR:130:571

HARBOR FACILITIES

Alternate Design Proves Economy of Precast
Prestressed Design for Seattle Pier Shed,
Wheeler H. Rucker, Jr., CE:May 64:42

TR:130:231

California--Largest commercial pier under
construction, CE:Dec 65:85

Massachusetts--Hurricane barrier to protect
New Bedford, CE:Mar 65:82

Sweden--Building Foundation Built as a
Caisson for Port Storage in Stockholm, Hal W.
Hunt, CE:Jan 65:60

The Bow Mooring for Berthing Tankers,
Leonard E. Van Houten and G.A. McCammon,
CE:Mar 64:60

TR:130:125

HARBORS

Directional Spectra of Laboratory Wind Waves,
Ismail El-Sayed Mobarek, WW3:Aug 65:91:4450

Functional Planning of Bulk Material Ports,
Leonard S. Oberman, WW2:May 65:17:4310

Rubble-Mound Breakwater Design for Refuge
Harbor, John R. Hyland, WW4:Nov 65:87:4139

TR:130:597

Small-Craft Harbor Problems, Charles E.
Lee, WW3:Aug 64:1:4015

TR:130:647

The Drydock Lock, James R. Ayers, Arden
L. Burnett, and Ralph C. Stokes, WW2:May 63:
15:3523

TR:130:471

The Structural Action of Pile Cluster Dolphins,
David G. Elms and Werner E. Schmid, WW4:

Nov 65:11:4529

Wave Forces on Piling for Narrow-Band
Spectra, Leon Emry Borgman, WW3:Aug 65:
65:4443

Wave-Induced Oscillations in Harbors, Fred-
eric Raichlen and Arthur T. Ippen, HY2:Mar 65:
1:4241

HELICOPTERS

Increasing the Efficiency of Helicopters on
Transmission-Line Construction, E.S. Zobel
and R.A. Kravitz, CE:Jun 64:72

Dsc: L.H.J. Cook, CE:Sep 64:68

TR:130:489

HIGH-STRENGTH STEELS

Wood Beams Prestressed with Bonded Tension
Elements, John Peterson, ST1:Feb 65:103:4218

HIGHWAYS

AASHTO develops computer programs for en-
tire field of civil engineering, CE:Jul 65:87

AASHTO elects Charles Shumate president, CE:
Nov 65:113

American Road Builders' Association dedicates
headquarters in Washington, D.C., CE:Aug 65:

106

HIGHWAYS Continued

American Road Builders' Association holds 63rd Annual Convention. CE:Apr 65:94

Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6: Dec 63:1:3709

TR:130:498

Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724

TR:130:78

ASCE replies to article in "Barron's" denigrating Interstate Highway Program. CE: Jan 65:86

Bridges on Stockholm Motorway, S. Lund, CE:Dec 64:62

TR:130:731

Civil Engineering in Urban Transportation Planning, Thomas J. Fratar, HW2:Dec 65:11: 4560

Comprehensive Urban Transportation Study Methods, Ralph A. Moyer, HW2:Dec 65:57: 4575

Connecticut--Viaducts for Interstate 91 cross New Haven Railroad tracks. CE:Dec 65:87

Cost of Interstate Highway System rises. CE: Mar 65:87

Deficiencies of Urban Transportation Studies, Roy E. Jorgensen, HW2:Dec 65:17:4568

Driveway Approaches Designed for Automobile Access, Albert W. Huelsman, CE:May 64:57

TR:130:261

Effect of Floods and Obsolescence on Bridge Life, Manuel A. Benson and N.C. Matalas, HW1:Jan 65:55:4208

Electric Controls for Laying Smooth Pavements, R.L. Pourifoy, CE:Sep 65:56

Electronic Guidance for Highway Safety, John J. O'Mara, CE:Oct 64:38

TR:130:519

Engineering Principles of Urban Transportation Planning, Jurt W. Bauer, HW2:Dec 65:1:4559

Evaluating Urban Transportation Systems, George Haikalis and E. Wilson Campbell, CP1: Sep 63:1:3626

TR:130:479

Expressway Maintenance: Costs and Problems in Urban Areas, C.H. Lang, CE:Sep 64:42

TR:130:317

Factors Considered in Urban Transportation Planning, Charles G. Beer, HW2:Dec 65:51:4582

Financing Future Intercity Transportation Systems, Ronald W. Pulling, HW1:Jan 65:1:4187

Financing Urban Transportation, T.R. Todd and Robley Winfrey, HW2:Dec 65:89:4586

Function and Organization of Highway Drainage Sections, Frederick W. Thorstenson, HW1: Jan 65:49:4207

High Density Vehicular Flow/Density Relationships, Danilo M. Garcia and John Hugh Jones, HW2:Dec 65:37:4581

Highway construction costs rise. CE: Sep 65:89

Highway Research Board holds 44th annual meeting. CE:Mar 65:82

Highway Research Board makes grant for asphalt study. CE:Apr 65:95

Interstate = Benefits (Lives + Dollars), Frank Schneller, CE:May 65:33

Maryland--Three levels of structural steel span Baltimore Beltway for an interchange. CE: Jun 65:94

Meeting Future Surface Transportation Needs, Marshall F. Reed, Jr., HW2:Dec 65:27:4571

New Ways to See Land Use and Transportation, J. Douglas Carroll, Jr. CE:Aug. 64:62

TR:130:365

New York--Expressway to cross lower

Manhattan is approved. CE:Jul 65:88

Oregon Sets the Pace on the Interstate, Carl S. Larson, CE:Apr 64:32

TR:130:196

Pennsylvania--U.S. Routes 22 and 322 updated. CE:May 65:84

Photogrammetry and Highway Law, Morris M. Abrams, SU2:Jul 64:153:3989

TR:130:191

Planning Public Mass Transportation, Henry D. Quinby, HW1:Jan 65:15:4190

Preserving Survey Monuments Despite Highway Construction, Winfield H. Eldridge. CE: May 65:40

Dsc: Richard Mayer. CE:Sep 65:74

Problems of Off-Road Transportation, Louis J. Goodman and Ronald A. Liston, HW1:Jan 64:1:3761

TR:130:53

Relationship of Offset Center Line to Given Base Line, Winslow T. Shearman, SU2:Sep 65: 39:4479

Roadside Planting in California, W.L. Warren, CE:Aug 64:67

TR:130:373

Roadway Lighting, Thomas J. Sebrun, CE:Oct 64:56

TR:130:442

Spiral Problems for an Electronic Computer, Elias C. Tonnas, HW2:Dec 65:101:4590

Traffic Accident Study on Milwaukee Expressway, Bruce A. Lind and H. Hong, HW1:Jan 65: 25:4205

Transportation Centers, Wilbur S. Smith, UP1:Jul 65:19:4396

Ultimate Strength Design for Highway Bridges, Howard L. Payne and Lamar H. Caldwell, ST5: Oct 65:43:4499

Urban Atmospheric Pollution, Albert F. Bush, CE:May 65:66

Dsc: Herbert E. Clark, Jr., CE:Jul 65:76;

M.I. Goldman, Aug 65:74; Author's reply,

CE:Aug 65:75

U.S. Bureau Roads reports on highway mileage. CE:Feb 65:82

Use of Surcharges in Highway Construction, William F. Kleiman, SM5:Sep 64:331:4048

TR:130:623

HISTORY

ASCE cooperation asked by Smithsonian, CE: May 65:47

Babylonia--Boundary stone or landmark described. CE:May 65:88

Dsc. W.E. Lindemann, CE:Dec 65:72, on prophetic qualities of John Jacob Astor book, "A Journey in Other Worlds"

HISTORY Continued

- Egypt--Salvaging Abu Simbel Temple gets under way, CE:Apr 65:96
 Sylvanus Thayer elected to Hall of Fame, CE:Dec 65:52
 The Amazing Pennsylvania Canals, W.H. Shank, CE:Jan 65:66
 The Hydrologic Cycle, A.K. Biswas, CE:Apr 65:70
 Dsc: A.K. Biswas, CE:Sep 65:73
 Water-wheel regulator donated to Smithsonian, CE:Jun 65:95
 See also Department "Who Am I?" in each issue of CIVIL ENGINEERING beginning with March 1965.

HOISTS

- Roll-Ramp Lifting Device for Fishway at Priest Rapids Dam, W.R. Martin, CE:Jun 64:69
 TR:130:535

HOSPITALS

- California--Unusual shoring permits unobstructed excavation for San Francisco Children's Hospital, CE:Feb 65:81
 Guam Typhoon Tears Out Hospital Windows, Harold V. Ehlers, CE:Jul 64:56
 Dsc: Donald F. Roberts, CE:Nov 64:71;
 James W. Darling, Mar 65:63

HOUSING

- Box-Type Mat Solves Foundation Problem for Syracuse Housing Project, Francis A. Hahn, CE:Jul 64:62
 TR:130:297

HYDRAULIC JUMP

- Flow Over a Vertical Sill in an Open Channel, Walter Rand, HY4:Jul 65:97:4408
 Hydraulic Jump in All Shapes of Horizontal Channels, R. Silvester, HY1:Jan 64:23:3754
 TR:130:75
 Submerged Hydraulic Jump, Nallamuthu Rajaratnam, HY4:Jul 65:71:4403
 The Hydraulic Jump as a Wall Jet, Nallamuthu Rajaratnam, HY5:Sep 65:107:4482

HYDRAULICS

- Accelerated Motion of a Sphere in a Viscous Fluid, Lucien M. Brush, Hau-Wong Ho, and Ben-Chie Yen, HY1:Jan 64:149:3764
 TR:130:541
 An Electric-Powered Vehicle for Large River Measurements, H.H. Stevens, Jr., and G.R. Dempster, Jr., CE:Jun 64:74
 TR:130:480
 An Inclined Plume, Garth S. Harris, EMI:Feb 65:7:4215
 ASCE Hydraulics Division conference, Aug 25-27, CE:Jun 65:83; Program, Jul 65:73
 A Simple Method for Determining Water-Surface Profiles, J.F. Harp, CE:Oct 65:85
 A Solution of the Irrigation Advance Problem, Otto Wilke and Ernest T. Smerdon, IR3:Sep 65:23:4471

- A Study on Refraction of Waves in Prismatic Channels, Khalil I. Beitinjani and Ernest F. Brater, WW3:Aug 65:37:4434
 Boundary Layer Development and Spillway Energy Losses, Frank B. Campbell, Robert C. Cox, and Marden B. Boyd, HY3:May 65:149:4331
 Calculation of Nonuniform Sediment Concentrations, I.V. Eglazarov, HY4:Jul 65:225:4417
 Canal Discharge Measurements with Radio-isotopes, Jack C. Schuster, HY2:Mar 65:101:4258
 Capacity Tests in Large Concrete-Lined Canals, Paul J. Tilt, HY3:May 65:189:4337
 Channel Gradients Above Gully-Control Structures, David A. Woolhiser and Arno T. Lenz, HY3:May 65:165:4333
 Characteristics of the Backwater Curve, Harold R. Vallentine, HY4:Jul 64:39:3964
 TR:130:755
 Comprehensive Flood Damage Prevention, John W. Weathers, HY1:Jan 65:17:4193
 Comprehensive Planning in the Southeast, George E. Tomlinson, HY5:Sep 65:81:4480
 Computer Analysis of Overland Flow, James R. Morgali and Ray K. Linsley, HY3:May 65:81:4325
 Computer Simulation of Estuarial Networks, Robert P. Shubinski and James C. McCarty, HY5:Sep 65:33:4470
 Considerations in Preserving Reservoir Sites, James E. Goddard, HY1:Jan 65:1:4188
 Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646
 TR:130:382
 Control Structures for Sand-Bed Channels, Frederick C. Stepanich, Daryl B. Simons, and Everett V. Richardson, WW2:May 64:1:3895
 TR:130:485
 Critical Analysis of Open-Channel Resistance, Hunter Rouse, HY4:Jul 65:1:4387
 Design Hydrographs for Small Watersheds in Indiana, I-Pai Wu, HY6:Nov 63:35:3694
 TR:130:119
 Determining Bank Storage of Lake Mead, Paul A. Rechard, IR1:Mar 65:141:4268
 Development of a Solid-Liquid Flow Meter, Norbert L. Ackerman and Chaleo Niyomthai, HY2:Mar 64:121:3829
 TR:130:381
 Disintegration of a Turbulent Water Jet, Tsu-Fang Chen and John R. Davis, HY1:Jan 64:175:3772
 TR:130:97
 Domain Variations in Channel Seepage Flow, Hubert J. Morel-Seytoux, HY2:Mar 64:55:3822
 TR:130:176
 Economics of Ground-Water Recharge, David K. Todd, HY4:Jul 65:249:4418
 Educational Considerations for Environmental Engineering, Robert L. Smith, HY1:Jan 65:9:4191
 Effect of Spur Dikes on Flow Through Contractions, E. Robert Hedman, HY4:Jul 65:155:4412
 Efficiency of Pumping from Small Circular Sumps, Ali M. Shahroody and John R. Davis, IR1:Mar 64:1:3817
 TR:130:339

HYDRAULICS Continued

- End Depth for Circular Channels, N. Rajaratnam and D. Muralidhar, HY2:Mar 64:99:3828
TR:130:407
- End Depth for Exponential Channels, N. Rajaratnam and D. Muralidhar, IR1:Mar 64:17:3819
TR:130:765
- Environmental Effects of Flood Plain Regulations, Eugene W. Weber and Walter G. Sutton, HY4:Jul 65:59:4402
- Erosion and Deposition of Cohesive Soils, Emmanuel Partheniades, HY1:Jan 65:105:4204
- European Concepts of Sediment Transportation, John L. Bogardi, HY1:Jan 65:29:4195
- Evaluation of Hydraulic Efficiency of Sedimentation Basins, M. Rebhun and Y. Argaman, SA5:Oct 65:37:4523
- Exact Free Surface of Gravity Wells, Abdel-Aziz I. Kashef, HY4:Jul 65:187:4413
- Experiences with Flow-Induced Vibrations, William P. Simmons, HY4:Jul 65:185:4414
- Flow-Induced Structural Vibrations, Gerrit H. Toebes, EM6:Dec 65:39:4564
- Flow-Induced Vibrations—Experience of TVA with Hydraulic and Other Structures, James T. Price, CE:Apr 65:61
- Flow Measurements at Columbia River Power Plants, Nicholas A. Dodge, HY2:Mar 65:125:4263
- Flow Measurement with a Suspension Wire, Bruce B. Sharp, HY2:Mar 64:37:3821
TR:130:467
- Flow Over a Vertical Sill in an Open Channel, Walter Rand, HY4:Jul 65:97:4408
- Form-Induced Hydraulic Forces on Three-Leaf Intake Gates, Rex A. Elder and Jack M. Garrison, HY3:May 64:215:3905
TR:130:771
- Function and Organization of Highway Drainage Sections, Frederick W. Thorstenson, HW1:Jan 65:49:4207
- Generalized Critical Slope for Trapezoidal Channels, L. Lewellyn E. Jones and Bijoy N. Tripathy, HY1:Jan 65:85:4202
- Geometry of River Channels, Walter B. Langbein, HY2:Mar 64:301:3846
TR:130:679
- Graphical Solution of the Chezy-Manning Formula for Open-Channel Flow, Roland W. Jeppson, CE:Mar 65:61
- Ground-Water Management for the Nation's Future—Computer Simulation of Ground-Water Basins, Howell N. Tyson and Ernest M. Weber, HY4:Jul 64:59:3973
TR:130:760
- Ground-Water Management for the Nation's Future—Effecting Optimum Ground-Water Basin Management, Vernon E. Valentine, HY4:Jul 64:97:3981
TR:130:733
- Ground-Water Management for the Nation's Future—Optimum Conjunctive Operation of Ground-Water Basins, Robert Y. D. Chun, Lewis R. Mitchell, and Kiyoshi W. Mido, HY4:Jul 64:79:3965
TR:130:355
- Ground-Water Management for the Nation's Future—Water Resources Management Through Ground-Water Basin Operation, Lloyd C. Fowler, HY4:Jul 64:51:3985
TR:130:725
- Ground-Water Models Solved by Digital Computer, Irwin Remson, Charles A. Appel, and Raymond A. Webster, HY3:May 65:133:4330
- Horizontal Jets in Stagnant Fluid of Other Density, Gerrit Abraham, HY4:Jul 65:139:4411
- Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29:3699
TR:130:625
- Hydraulic Design of Pump Intakes, Ralph T. Hattersley, HY2:Mar 65:223:4276
- Hydraulic Downpull on Ice Harbor Powerhouse Gate, Peter M. Smith, HY3:May 64:193:3903
TR:130:574
- Hydraulic Jump in All Shapes of Horizontal Channels, R. Silvester, HY1:Jan 64:23:3754
TR:130:75
- Hydraulic Performance Comparison of Centrifugal Pumps, Michael J. Suess, HY2:Mar 65:73:4255
- Hydraulics of Thin Film Flow, Joseph B. Franzini and Nabil A. Hassan, HY2:Mar 64:23:3816
TR:130:23
- Hydrodynamic Analysis for High-Head Leaf Gates, Eduard Naudascher, Helmut E. Kobus, and Ragam Panda R. Rao, HY3:May 64:155:3904
TR:130:746
- Hydrogeologic Electric Analog Computer, William C. Walton and Thomas A. Prickett, HY6:Nov 63:67:3695
TR:130:43
- Hydrology of Spillway Design Floods: Large Structures—Limited Data, Victor A. Koelzer and Marcel Bitoun, HY3:May 64:261:3913
TR:130:569
- Hydrology of Spillway Design: Introduction, Harvey O. Banks, HY3:May 64:235:3912
TR:130:287
- Hydrology of Spillway Design: Large Structures—Adequate Data, Franklin F. Snyder, HY3:May 64:239:3915
TR:130:587
- Hydrology of Spillway Design: Small Structures—Limited Data, Harold O. Ogrosky, HY3:May 64:295:3914
TR:130:367
- Initial Motion Problem in Porous Media, James A. Liggett and Christos Hadjithérou, HY3:May 65:61:4322
- Irrational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591
- Lost River System—A Water Quality Management Study, Gerald T. Orlob and Philip C. Woods, HY2:Mar 64:1:3815
TR:130:87
- Mathematical Model for Transient River Flow, Eivind Kindingstad, HY3:May 64:23:3899
TR:130:682
- Mathematical Models of Catchment Behavior, David R. Dawdy and Terence O'Donnel, HY4:Jul 65:123:4410

HYDRAULICS Continued

- Mathematical Representation of an Urban Flood Plain, Viraf S. Bhavnagri and George Bugliarello, HY2:Mar 65:149:4265
- Measurement of Ruffled Water Surface Elevation, A.J. Raudkivi, HY2:Mar 65:65:4254
- Men, Models, Methods, and Machines in Hydrologic Analysis, Willard M. Snyder and John B. Stall, HY2:Mar 65:85:4256
- Natural Roughness Effects in Rigid Open Channels, A.G. Mirajgaoaker and K.L.N. Charlu, HY5:Sep 63:29:3630
- TR:130:544
- Navigation Locks: Filling and Emptying Systems for Locks, Martin E. Nelson and Harvey J. Johnson, WW1:Feb 64:47:3789
- TR:130:398
- Navigation Locks: Navigation Lock Gates and Valves, George C. Richardson, WW1:Feb 64:79:3799
- TR:130:394
- Nonlinear Instantaneous Unit-Hydrograph Theory, Krishan Piara Singh, HY2:Mar 64:31:3852
- TR:130:497
- Non-Newtonian Flows--Their Value in Civil Engineering, George Bugliarello, CE:Aug 65:68
- Optimum Design of Multi-Purpose Reservoirs, Warren A. Hall, HY4:Jul 64:141:3972
- TR:130:762
- Parametric Hydrology and Stochastic Hydrology: Report of the Committee on Surface Water Hydrology, ASCE, Walter Hofmann, Chmn, HY6:Nov 65:119:4539
- Pneumatic Reduction of Salt Intrusion Through Locks, G. Abraham and P. vander Burgh, HY1:Jan 64:83:3759
- TR:130:166
- Potential Evaporation and River Basin Evaporation, Fred I. Morton, HY6:Nov 65:67:4534
- Practical Computations of Bed-Material Discharge, Bruce R. Colby, HY2:Mar 64:217:3843
- TR:130:383
- Practical Results of Hydraulics Research: Hydraulics Division Committee on Research Reports, Harold M. Martin, Chmn, CE:Aug 64:38
- TR:130:347
- Pressure Distribution on Spillway Flip Buckets, Tio-Chun Chen and Yun-Sheng Yu, HY2:Mar 65:51:4251
- Ratio of True to Fixed-Interval Maximum Rainfall, Leonard L. Weiss, HY1:Jan 64:77:3758
- TR:130:66
- Rebound in Redesign of Oahe Dam Hydraulic Structures, Lloyd B. Underwood, Stanley T. Thorfinnson, and William T. Black, SM2:Mar 64:65:3830
- TR:130:47
- Regime Criteria for Alluvial Streams, R.J. Garde and K.G. Ranga Raju, HY6:Nov 63:153:3705
- TR:130:178
- Regulation of the Caspian Sea, Otakar W. Kabelac, WW1:Feb 64:103:3794
- TR:130:609

- Research Needs in Surface-Water Hydrology: Report of the Committee on Surface-Water Hydrology, ASCE, Victor A. Koelzer, Chmn, HY1:Jan 65:75:4201
- Resistance of Cylindrical Piers in Open-Channel Flow, Tsuying Hsieh, HY1:Jan 64:161:3770
- TR:130:657
- Rigid Water Column Theory for Uniform Gate Closure, Harold R. Vallentine, HY4:Jul 65:27:4386
- River Flood Flows, Forecasts and Probabilities, Michael C. Quick, HY3:May 65:1:4312
- Role of Government on Water Resource Development, Ayers Brinser, IR4:Dec 65:13:4558
- Sand Transport Studies with Radioactive Tracers, D.W. Hubbell and William W. Sayre, HY3:May 64:39:3900
- TR:130:619
- Secondary Currents in a Corner, James A. Liggett, Chao-Lin Chiu, and Ling S. Miao, HY6:Nov 65:99:4538
- Sedimentation Aspects in Recreation Planning, Donald C. Bondurant and Robert H. Livesey, HY5:Sep 65:51:4473
- Sediment Investigations--Middle Rio Grande, Ernest L. Pemberton, HY2:Mar 64:163:3833
- TR:130:187
- Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:251:4260
- Sediment Transportation Mechanics: Wind Erosion and Transportation: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:267:4261
- Sediment Transport in Supercritical Flow, Ralph W. Ansley, HY6:Nov 65:57:4533
- Sequential Generation of Rainfall and Runoff Data, Ven Te Chow and S. Ramaseshan, HY4:Jul 65:205:4416
- Shapes for Appurtenances in Stilling Basins, Narayana N. Pillai and T.E. Unny, HY3:May 64:1:3888
- TR:130:643
- Shear and Velocity Distribution in Shallow Channels, H. Lundgren and Ivar G. Jonsson, HY1:Jan 64:1:3752
- TR:130:693
- Simple Apparatus for Producing Model Tides, Johan Albert Zwamborn, HY2:Mar 65:39:4250
- Simple Dimensional Method for Hydraulic Problems, Richard B. Whittington, HY5:Sep 63:1:3629
- TR:130:135
- Simplified Solution for Decreasing Flow in Wells, Gert Aron and Verne H. Scott, HY5:Sep 65:1:4459
- Spillway Discharge Coefficients for Rock Island Dam, Claud C. Lomax, HY3:May 65:19:4320
- Spurious Correlation in Hydraulics and Hydrology, Manual A. Benson, HY4:Jul 65:35:4393
- Straight Drop Spillway Stilling Basin, Charles A. Donnelly and Fred W. Blaisdell, HY3:May 65:101:4328
- Stream-Aquifer System Analysis, Ali Eshett and Morton W. Bittinger, HY6:Nov 65:153:4545

HYDRAULICS Continued

- Study of Channel Erosion and Sediment Transport, Carl F. Nordin, Jr., HY4:Jul 64:173:3984
TR:130:277
- Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
TR:130:110
- Study of Static Pressure Along a Rough Boundary, J.L. Chao and Virgil A. Sandborn, HY2:Mar 65:193:4269
- Submerged Hydraulic Jump, Nallamuthu Rajaratnam, HY4:Jul 65:71:4403
- Tactily Maximized Small Watershed Flood Estimates, Brian M. Reich and Lourens A.V. Hiemstra, HY3:May 65:217:4339
- Tapered Inlets for Pipe Culverts, John L. French, HY2:Mar 64:255:3845
TR:130:375
- Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574
TR:130:299
- The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15:3523
TR:130:471
- The Hydraulic Jump as a Wall Jet, Nallamuthu Rajaratnam, HY5:Sep 65:107:4482
- Theoretical Aspects of Seepage from Open Channels, Herman Bouwer, HY3:May 65:37:4321
- Time of Travel of Soluble Contaminants in Streams, Thomas J. Buchanan, SA3:Jun 64:1:3932
TR:130:669
- Total Bed Material Transport, Avery A. Bishop, Daryl B. Simons, and Everett V. Richardson, HY2:Mar 65:175:4266
- Transitions for Canals and Culverts, William P. Simmons, HY3:May 64:115:3918
TR:130:35
- Translations of Foreign Literature on Hydraulics: Seventh Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics, ASCE, Jan C. Van Tienhoven, Chmn, HY2:Mar 65:27:4245
- Travel Time of Waves in Backwaters, Andrew L. Simon, HY6:Nov 63:1:3689
TR:130:84
- Turbulence Measured by Electrokinetic Transducers, Hsing Chuang and Jack E. Cermak, HY6:Nov 65:1:4526
- Turbulent Flow in a Three-Dimensional Channel, Hubert J. Tracy, HY6:Nov 65:9:4530
- Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6:Nov 65:37:4532
- Two-Dimensional Flow Over Sills in Open Channels, Gary Z. Watters and Robert L. Street, HY4:Jul 64:107:3967
TR:130:766
- Two-Dimensional Jet and Cavity Flows, Robert L. Street, HY2:Mar 64:141:3831
TR:130:113
- Unsaturated Flow in Ground Water Hydraulics, Herman Bouwer, HY5:Sep 64:121:4057
TR:130:593
- Use of Interrelated Records to Simulate Streamflow, Leo R. Beard, HY5:Sep 65:13:4463

U.S.-Japanese seminar on instrumentation for hydraulic research held, CE:Aug 65:106; CE:Oct 65:107

Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565
TR:130:1

Vertical Drainage of an Unsaturated Soil, Irwin Remson, Ronald L. Drake, Samuel S. McNeary, and Edward M. Wallo, HY1:Jan 65:55:4196

Waterhammer Analysis of Pipelines, Victor L. Streeter, HY4:Jul 64:151:3974
TR:130:591

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

Water Jet Pump, N.H.G. Mueller, HY3:May 64:83:3908
TR:130:311

Water Resources Planning for the Delaware Basin, Russell Morgan, HY5:Sep 65:65:4475

Wave Breakers on a Beach and Surges on a Dry Bed, J.C. Freeman and Bernard Lé Mehaute, HY2:Mar 64:187:3834
TR:130:759

Wave-Induced Oscillations in Harbors, Frederic Raichlen and Arthur T. Ippen, HY2:Mar 65:1:4241

Weather Modification, Richard A. Schleusener, HY1:Jan 64:57:3756
TR:130:199

Weather Modifications, University of Wyoming, Merlin C. Williams, HY1:Jan 65:93:4203

Wind Driven Water Currents, W. Douglas Baines and Douglas J. Knapp, HY2:Mar 65:205:4270

Withdrawal from Two-Layer Stratified Flows, Donald R.F. Harleman and Rex A. Elder, HY4:Jul 65:43:4398

Yearly Sea Level Variations for the United States, Steady D. Hicks and William Shofnos, HY5:Sep 65:23:4468

HYDRODYNAMICS

Accelerated Motion of a Sphere in a Viscous Fluid, Lucien M. Brush, Hau-Wong Ho and Ben-Chie Yen, HY1:Jan 64:149:3764
TR:130:541

Added Mass of a Sphere in a Bounded Viscous Fluid, Kenneth G. McConnell and Donald F. Young, EM4:Aug 65:147:4448

Hydrodynamic Analysis for High-Head Leaf Gates, Eduard Naudascher, Helmut E. Kobus, and Ragam Panda R. Rao, HY3:May 64:155:3904
TR:130:746

Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
TR:130:127

Slow Viscous Flow of an Incompressible Suspension, Gerhard Oertel, EM5:Oct 65:145:4517

Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
TR:130:110

Two-Dimensional Flow Over Sills in Open Channels, Gary Z. Watters and Robert L. Street, HY4:Jul 64:107:3967
TR:130:766

HYDROELECTRIC POWER GENERATION

- Argentina--Huge hydroelectric project planned on Neuquen and Limay Rivers. CE:Jul 65:85
- Arkansas--Turbines ordered for Ozark Dam project on Arkansas River. CE:Nov 65:116
- Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau. CE:Dec 65:53
- Canada--Work begun on underground power plant for British Columbia. CE:Jul 65:88
- Colorado--Reclamation Firsts: Underground Power Plant at Morrow Point Dam. B.P. Bellport. CE:Feb 65:40
- Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig. POI:Sept 63:9:3642
- TR:130:416
- Hydroelectric Developments in the Scottish Highlands, Asit K. Biswas. POI:May 65:23:4318
- India--Sharavati Hydroelectric Project dedicated. CE:Mar 65:86
- New York--Con Ed wins approval for Storm King plant. CE:Apr 65:94
- Pennsylvania--Pumped-storage plant being built at Lancaster for Muddy Run Project. CE:Jul 65:88
- Washington--Tacoma lets contract for Cowlitz River power. CE:Mar 65:87

HYDROGRAPHS

- Inflow Hydrographs from Large Unconfined Aquifers, Hassan Ali Ibrahim and Wilfred Brutsaert. IR2:Jun 65:21:4357

HYDROLOGY

- ASCE to co-sponsor conference on urban hydrology research and storm drainage. CE:Mar 65:75
- Cycles in Hydrologic Data. J.R. Crippen. CE:Jan 65:70
- Disc: Gordon R. Williams. CE:Mar 65:62
- Design Hydrographs for Small Watersheds in Indiana, I-Pai Wu. HY6:Nov 63:35:3694
- TR:130:119
- Determining Bank Storage of Lake Mead, Paul A. Rechard. IR1:Mar 65:141:4268
- Function and Organization of Highway Drainage Sections, Frederick W. Thorstenson. HW1:Jan 65:49:4207
- Geohydrology by Dr. Roger DeWiest dedicated to ASCE. CE:Aug 65:95
- Hydrology of Spillway Design: Introduction, Harvey O. Banks. HY3:May 64:235:3912
- TR:130:287
- Hydrology of Spillway Design: Large Structures--Adequate Data, Franklin F. Snyder. HY3:May 64:239:3915
- TR:130:587
- Hydrology of Spillway Design: Large Structures--Limited Data, Victor A. Koelzer and Marcel Bitoun. HY3:May 64:261:3913
- TR:130:569
- Hydrology of Spillway Design: Small Structures--Limited Data, Harold O. Ogrosky. HY3:May 64:295:3914
- TR:130:367

- Irrigation Development in a Subhumid Area, Arthur D. Soderberg. IR2:Jun 64:1:3922
- TR:130:640

- Lost River System--A Water Quality Management Study, Gerald T. Orlob and Philip C. Woods. HY2:Mar 64:1:3815

- TR:130:87
- Mathematical Models of Catchment Behavior, David R. Dawdy and Terence O'Donnell. HY4:Jul 65:123:4410
- Men, Models, Methods, and Machines in Hydrologic Analysis. Willard M. Snyder and John B. Stall. HY2:Mar 65:85:4256
- Nonlinear Instantaneous Unit-Hydrograph Theory, Krishan Piara Singh. HY2:Mar 64:313:3852
- TR:130:497
- Parametric Hydrology and Stochastic Hydrology: Report of the Committee on Surface Water Hydrology, ASCE, Walter Hofmann, Chmn. HY6:Nov 65:119:4539
- Potential Evaporation and River Basin Evaporation, Fred I. Morton. HY6:Nov 65:67:4534
- Research Needs in Surface-Water Hydrology: Report of the Committee on Surface-Water Hydrology, ASCE, Victor A. Koelzer, Chmn. HY1:Jan 65:75:4201
- River Flood Flows, Forecasts and Probabilities, Michael C. Quick. HY3:May 65:1:4312
- Spurious Correlation in Hydraulics and Hydrology, Manual A. Benson. HY4:Jul 65:35:4393
- Supplement to Peterson's Design of Replenishment Wells, Mahdi S. Hantush. IR1:Mar 64:67:3838

- TR:130:101
- The Hydrologic Cycle. A.K. Biswas. CE:Apr 65:70
- Disc: A.K. Biswas. CE:Sep 65:73
- UNESCO sponsors decade of hydrological study. CE:Apr 65:97
- Use of Interrelated Records to Simulate Streamflow, Leo R. Beard. HY5:Sep 65:13:4463

ILLINOIS

- Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns. AT2:Oct 63:1:3674
- TR:130:63

ILLUMINATION

- Roadway Lighting, Thomas J. Sebrun. CE:Oct 64:56
- TR:130:442

IMPACT

- Dynamic Plastic Analysis of Steel Frames, Barry Rawlings. ST3:Jun 64:265:3954
- TR:130:649
- Particle-In-Cell Method Studies and their Applications, Melvin L. Baron, Richard Skalak, and Charles P. Lecht. EM3:Jun 65:129:4374

INCINERATION

- Air Pollution from Incinerators--Causes and Cures, Leo P. Flood. CE:Dec 65:44
- Arkansas--Sludge Burning at North Little Rock, Arnold J. Tyer. CE:Mar 65:54

INCINERATION Continued

Incineration (Symposium): Lenard S. Wegman,
Junius W. Stephenson, Robert L. Stenborg,
Harold G. Meissner, CE:Sep 64:35
TR:130:491

INDEXES (Locators)

Engineering Index lists current technical
periodical literature received in Engineering
Societies Library, CE:Apr 64:67
Inventory Index Proposed for Testing Apparatus,
M.D. Morris, CE:Jul 64:53
TR:130:331

INDIA

Irrigation in India; Past and Present, Asit K.
Biswas, IR1:Mar 65:179:4277

INDUSTRIAL ENGINEERING

Professional Development, the Younger View-
point (Symposium)--In Industry, Richard W.
Shute, CE:Apr 64:56
TR:130:285

INSPECTION

Florida--Liaison Insures Quality Control for
Vehicle Assembly Building at Cape Kennedy,
Charles I. Orr, CE:Oct 65:56
How to Improve Quality Control of Construc-
tion, Hal W. Hunt, CE:Oct 65:54
How to Inspect Construction, Benjamin P.
Cohen, CE:Oct 65:62
Improved Inspection on the West Coast, John
Steinbrugge, CE:Oct 65:79
Legal Aspects of Quality Control, Robert B.
Jarvis, CE:Oct 65:71
Quality Control in Construction, W.O. Hilt-
biddle, Jr., Bradford N. Clark, Charles E.
Schaffner, John Nelson Linn, Ralph E. De
Simone, Arnold H. Vollmer, Elmer B. Isaak,
Leslie D. Long, Richard Q. Praeger, Hal W.
Hunt, CO1:May 65:141:4340
Quality Controls for Steel Construction, Milton
Brumer, CE:Oct 65:76
The New Welding Code for Buildings, Arsham
Amirikian, CE:Aug 64:56
TR:130:396

INSTRUMENTATION

Yellowtail Dam on Big Horn River, Instrument-
ed for Structural Behavior Studies, Keith Jones,
CE:Nov 64:53
TR:130:567

INSULATION

Alaska--Plastic Insulation vs. Deep Trenching
for Seldovia Water Mains, Frank Nyman, CE:
Mar 65:40

INSURANCE

As a Contractor, Do You Carry Adequate In-
surance? James Midwinter, CE:Aug 64:64
TR:130:371

INTERCHANGES

Maryland--Three levels of structural steel for
interchange span Baltimore Beltway, CE:Jun 65:
94

Traffic Accident Study on Milwaukee Express-
way, Bruce A. Lind and H. Hong, HW1:Jan 65:
25:4205

IRRIGATION

Analysis of Precipitation at Huntington Lake,
Stanley M. Barnes, IR1:Mar 64:77:3839

TR:130:469

Analysis of Water Advance in Surface Irri-
gation, Yu-Si Fok and A. Alvin Bishop, IR1:
Mar 65:99:4259

An Experiment on Flow Through Smooth Tile
Joints, A.F. Pillsbury, E.H. Taylor, R.W.
Pelishek, and J.F. Osborn, CE:Oct 64:67
TR:130:455

Arizona--Contract let for channel to solve
salinity problem at Wellton-Mohawk District.
CE:Jul 65:84

ASCE Irrigation and Drainage Division confer-
ence, "Development of Total Watershed," Oct.
6-9, Billings, Mont., CE:Jul 65:79; Program,
Sep 65:72; Report, Dec 65:51

ASCE Irrigation and Drainage Division confer-
ence, El Paso, Tex., Dec. 2-4, 1964, CE:
Jan 65:94, Feb 65:71, Apr 65:84

A Solution of the Irrigation Advance Problem,
Otto Wilke and Ernest T. Smerdon, IR3:Sep 65:
23:4471

Boundary Flow Considerations in the Design of
Wells, Mostafa M. Soliman, IR1:Mar 65:159:
4272

California--USBR establishes Fresno office
for Westlands Water District irrigation-dis-
tribution system, CE:Jun 65:95

California--USBR lets contract for Tehama-
Colusa canal CE:Aug 65:103

Comprehensive Planning in the Southeast,
George E. Tomlinson, HY5:Sep 65:81:4480

Design of Tile Drainage for Arid Regions,
Hammad Y. Hammad, IR3:Sep 64:1:4036

TR:130:749

Desirable Features of Water Rights Laws, Dan
S. Jones, Jr., IR4:Dec 63:1:3711

TR:130:512

Determining Bank Storage of Lake Mead, Paul
A. Rechard, IR1:Mar 65:141:4268

Effective Rainfall and Irrigation Water Require-
ments, David M. Hershfield, IR2:Jun 64:33:3920
TR:130:741

Effect of Irrigation Method on Water Conser-
vation, Jack Keller, IR2:Jun 65:61:4364

Effects of Competition on Efficiency of Water
Use, Jay M. Bagley, IR1:Mar 65:69:4252

Efficiency of Pumping from Small Circular
Sumps, Ali M. Shahroody and John R. Davis,
IR1:Mar 64:1:3817

TR:130:339

End Depth for Exponential Channels, N. Raja-
ratnam and D. Muralidhar, IR1:Mar 64:17:3819
TR:130:765

Engineering Aspects of the Reclamation of
Sodic Soils with High-Salt Waters, E.J. Doering
and R.C. Reeve, IR4:Dec 65:59:4588

Estimating Evapotranspiration from Solar
Radiation, Marvin E. Jensen and Howard R.
Haise, IR4:Dec 63:15:3737

TR:130:107

IRRIGATION Continued

- Evaporation Reduction on Large Reservoirs, C. Earl Israelsen and Vaughn E. Hansen, IR1: Mar 65:93:4262
- Federal Versus State Interests in Water Development, Harvey O. Banks, IR1:Mar 65:31:4246
- Future Quantity and Quality of Colorado River Water, Raymond A. Hill, IR1:Mar 65:17:4244
- Indus-Valley—West Pakistan's Life Line, Alexander Karpov, HY1:Jan 64:207:3774
TR:130:509
- Irrigation Development in a Subhumid Area, Arthur D. Soderberg, IR2:Jun 64:1:3922
TR:130:640
- Irrigation in India: Past and Present, Asit K. Biswas, IR1:Mar 65:179:4277
- Irrigation Planning Using Climatological Data, Edward H. Wiser, IR4:Dec 65:1:4551
- Irrigation Water Requirements of Lawns, Tyler H. Quackenbush and John T. Phelan, IR2:Jun 65: 11:4350
- Lost River System—A Water Quality Management Study, Gerald T. Orlob and Philip C. Woods, HY2:Mar 64:1:3815
TR:130:87
- Natural Drainage of River Valleys, Hammad Y. Hammad, IR2:Jun 65:39:4360
- New Type Weir Construction for Small Watersheds, Neal E. Minshall and Ralph G. Spomer, IR1:Mar 65:11:4243
- Operating a Sea Water Barrier Project, Arthur E. Brington and Frederick D. Seares, IR1: Mar 65:117:4264
- Plastic Surgery on Irrigation Areas, Kent S. Ehrman, CO1:Mar 64:47:3837
TR:130:29
- Preliminary Optimization of an Aqueduct Route, Warren A. Hall and John S. Hammond, IR1: Mar 65:45:4248
- Progress in Waste Water Re-Use in Southern California, John D. Parkhurst, IR1:Mar 65:79: 4253
- Rice Irrigation, Lee Chow, IR3:Sep 65:35:4472
- Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
TR:130:127
- Separation of Evapotranspiration and Deep Percolation, Lyman S. Willardson and Wendell L. Pope, IR3:Sept 63:77:3638
TR:130:56
- Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:Dec 63:7:3714
TR:130:446
- Supplement to Peterson's Design of Replenishment Wells, Mahdi S. Hantush, IR1:Mar 64:67: 3838
TR:130:101
- Total Bed Material Transport, Avery A. Bishop, Daryl B. Simons, and Everett V. Richardson, HY2:Mar 65:175:4266
- Transitory Irrigation Developments, Raymond A. Hill, CE:Mar 65:56
- Disc: Charles Green, CE:Jun 65:72. Author's reply, CE:Jun 65:72
- U.S. and Mexico agree on salinity problem, CE:May 65:85

Water Management on Ricelands in Louisiana, Lester F. Lawhon and Louis W. Herndon, IR4: Dec 65:23:4569

Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637
TR:130:57

Water Right Engineering Under Appropriation System, Kenneth R. Wright, IR1:Mar 64:9:3818
TR:130:280

JETTIES

Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works, ASCE, Harvill E. Weller, Chmn, WW1: Feb 65:7:4236

JOINTS

Analysis of Bolted Butt Joints, John W. Fisher and John L. Rumpf, ST5:Oct 65:181:4513

An Experiment on Flow Through Smooth Tile Joints, A.F. Pillsbury, E.H. Taylor, R.W. Pellishek, and J.F. Osborn, CE:Oct 64:67
TR:130:455

Behavior of Fasteners and Plates with Holes, John W. Fisher, ST6:Dec 65:265:4587

Bolted Bridge Behavior During Erection and Service, Eugene Chesson, Jr., ST3:Jun 65:57: 4365

Criteria for Designing Bearing-Type Bolted Joints, John W. Fisher and Lynn S. Beedle, ST5:Oct 65:129:4511

Fatigue of Joints in Aluminum Alloy 6061-T6, Glenn E. Nordmark and John W. Clark, ST6: Dec 64:35:4156

TR:130:744

History and Development of Concrete Pavement Design, Gordon K. Ray, HW1:Jan 64:79:3769
TR:130:91

Interstitial Pressures on Rock Foundations of Dams, J. Laginha Serafim and Alejandro del Campo, SM5:Sep 65:65:4484

Misalignment in Bolted Joints, Desi D. Vasarhelyi and William N. Chang, ST4:Aug 65:1:4422

Shear Strength of High-Strength Bolts, James J. Wallaert and John W. Fisher, ST3:Jun 65:99: 4368

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

LABORATORIES

Great Lakes--Corps of Engineers begins "oceanography" studies, CE:Nov 65:116

Inventory Index Proposed for Testing Apparatus, M.D. Morris, CE:Jul 64:53

TR:130:331

Measurement of Ruffled Water Surface Elevation, A.J. Raudkivi, HY2:Mar 65:65:4254

LAKE MEAD

Determining Bank Storage of Lake Mead, Paul A. Rechard, IR1:Mar 65:141:4268

LAKES

A Lake's Response to Its Environment, Robert O. Sylvester and George C. Anderson, SA1:Feb 64:1:3786

TR:130:111

LANDSLIDES

- Slope Stabilized by Anchored Retaining Wall,
G.A. Reti, CE:Apr 64:49
TR:130:216

LEGISLATION

- Aesthetic Considerations in City Construction,
Vernon F. Jorgensen, UPI:Jul 65:1:4389
Air Pollution Control in New York State,
Alexander Rihm, CE:Feb 64:56
TR:130:89
A Lawyer Looks at Stream Pollution,
William Gross, CE:Apr 65:44
Dsc: B.F. Snow, CE:Aug 65:74
ASCE Activity in Public Affairs, William H.
Wisely, CE:Aug 64:35
TR:130:351
Collective Bargaining for Municipal Engineers,
Herman P. Zanolini, CE:Sep 65:50
Corps of Engineers' projects authorized under
Omnibus Rivers and Harbors and Flood Control
Act of 1965, CE:Dec 65:88
Desirable Features of Water Rights Laws, Dan
S. Jones, Jr., IR4:Dec 63:1:3711
TR:130:512
Federal Versus State Interests in Water De-
velopment, Harvey O. Banks, IR1:Mar 65:31:
4246
Ground-Water Management for the Nation's
Future—Effecting Optimum Ground-Water Basin
Management, Vernon E. Valentine, HY4:Jul 64:
97:3981
TR:130:733
Legal Aspects of Quality Control, Robert B.
Jarvis, CE:Oct 65:71
Photogrammetry and Highway Law, Morris M.
Abrams, SU2:Jul 64:153:3989
TR:130:191
Preserving Survey Monuments Despite High-
way Construction, Winfield H. Eldridge,
CE:May 65:40
Sanitary Engineering Committee on Solid
Wastes supports action by House Subcommittee
on Public Health and Welfare, CE:Aug 65:95
The Law of the Underground, James H.
Krieger, CE:Mar 64:52
TR:130:167

LEVELING

- Vertical Control on the Great Lakes, Gilbert E.
Ropes, SU1:Apr 65:35:4289

LIBRARIES

- Engineering Societies Library reports wider
and more convenient circulation of books, CE:
Jan 65:91

LIFTS

- Roll-Ramp Lifting Device for Fishway at
Priest Rapids Dam, W.R. Martin, CE:Jun 64:
69
TR:130:535

LIFT-SLAB CONSTRUCTION

- Prestressed Lift Slabs Withstand Fire, G.E.
Troxell, CE:Sep 65:64

- Utah--Lift Slabs (in Salt Lake City) Cast under
Plastic Cover for Raising in Spring, Robert
Sawyer, CE:Jul 65:42

LIGHTHOUSES

- Steel Offshore Towers as Navigation Aids,
J.V. Ruffin, CE:Nov 65:72
Virginia--Construction of Chesapeake Light
Station, John W. Fowler, CE:Nov 65:76

LIMIT-DESIGN METHOD (Structural)

- Limit Analysis of Circular Orthotropic Plates,
Toshio Mura, Jac-Shiun Kao, and Seng-Lip Lee,
EM5:Oct 64:375:4109
TR:130:607
Limit Design of Reinforced Concrete Slabs,
Robert E. Crawford, EM5:Oct 64:321:4105
TR:130:768

LIQUIFIED GASES

- Storage Containers for Liquefied Natural Gas,
P.J. Anderson and A.R. Khan, CE:Aug 65:65

LOADS (Forces)

- Airfield Pavement Evaluation Procedures,
Philip P. Brown, AT1:Apr 65:15:4299
Buckling Loads for Stepped Columns, John W.
Harvey, ST2:Apr 64:201:3873
TR:130:618
Crushable Materials for Structural Blast
Shields, Martin A. Salmon and Carl J. Costan-
tino, ST3:Jun 65:229:4384
Development of Arch Action in Arch Dams, K.
V. Swaminathan, PO1:May 65:39:4329
Dynamic Similitude of Underground Structures,
Donald F. Young and Glenn Murphy, EM3:Jun
64:111:3938
TR:130:439
Experiments on Stability on Spherical Caps,
Ta-Cheng Loo and Ross M. Evan-Iwanowski,
EM3:Jun 64:255:3956
TR:130:69
Gravity Flow Reinforced Concrete Pipe Design,
Howard F. Peckworth and John G. Hendrickson,
PL1:Jan 64:33:3771
TR:130:584
Load Transfer in a Step-Taper Pile, Ello
D'Appolonia and John A. Hribar, SM3:Nov 63:
57:3700
TR:130:353
Measuring Instruments for Strutt Excavating,
Lauritis Bjerrum, T. Cameron Kenney, and B.
Kjaerneli, SM1:Jan 65:111:4120
Philosophy of Engineering Design of Structures,
Malcolm S. Gregory, ST6:Dec 63:119:3722
TR:130:59
Plastic Analysis and Design of Non-Prismatic
Members, Bruce G. Rogers and William H.
Munse, Jr., ST5:Oct 65:299:4519
Plastic Analysis of Circular Balcony Girders,
Kunag-Han Chu and Arthur Thelen, ST6:Dec
63:159:3726
TR:130:62
Snow Loads for Roofs, Albert E. Anderson,
CE:Jul 65:76
Two Degree-of-Freedom Elastoplastic Re-
sponse to a Step Velocity Pulse, Robert H.
Anderson, EM5:Oct 65:191:4524

LOCKS (Barriers)

- Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J.C. McCraw, CE:Nov 65:70
- Arkansas--Contract let for Arkansas River Lock and Dam 6, CE:Feb 65:86
- Belleville Locks on the Ohio River, R.B. Howard, CE:Nov 65:51
- Navigation Locks: End Filling and Emptying Systems for Locks, Fred R. Brown, WW1:Feb 64:61:3792
- TR:130:651
- Navigation Locks: Filling and Emptying Systems for Locks, Martin E. Nelson and Harvey J. Johnson, WW1:Feb 64:47:3789
- TR:130:398
- Ohio--Contract let for Ohio River locks, CE:Jun 65:91
- Pennsylvania--Maxwell Locks and Dam completed, CE:Dec 65:88
- Pneumatic Reduction of Salt Intrusion Through Locks, G. Abraham and P. vander Burgh, HY1:Jan 64:83:3759
- TR:130:166
- The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15:3523
- TR:130:471

LOS ANGELES, CALIFORNIA

- Progress in Waste Water Re-Use in Southern California, John D. Parkhurst, IR1:Mar 65:79:4253

MAINTENANCE

- Barge Decks Resurfaced with Asphalt, William P. Helbock, CE:Nov 65:54
- Expressway Maintenance: Costs and Problems in Urban Areas, C.H. Lang, CE:Sep 64:42
- TR:130:317
- New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE:Mar 65:34
- New York--Linseed-Oil Protection for New York State Thruway Bridges, Robert J. Walsh, CE:Jul 65:39
- North Carolina--Controlling Leakage from Cowans Ford Dam, Joe T. Moore, CE:Jun 65:52
- Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579
- Structural Maintenance--the Third Element in the Structural Engineer's Professional Package, T.C. Kavanagh and S.M. Johnson, CE:May 65:52

MANAGEMENT

- Can the Civil Engineer be a Manager?, H.L. Payne, CE:Jul 64:51
- Dec: R.B. Sheaffer, CE: Sep 64:69; H.L. Thackwell, Oct 64:66; Douglas L. Jonas, Jan 65:84
- TR:130:293
- Economics of Ground-Water Recharge, David K. Todd, HY4:Jul 65:249:4418
- First Five Years of the Critical-Path Method, William J. Gleason, Jr., and Joseph J. Ranieri, CO1:Mar 64:27:3832
- TR:130:40

Ground-Water Management for the Nation's Future--Effecting Optimum Ground-Water Basin Management, Vernon E. Valentine, HY4:Jul 64:97:3981

TR:130:733

PERT and CPM Techniques in Project Management, Restan M. Aras and Julius Surkis, CO1:Mar 64:1:3823

TR:130:486

Resident Engineer Responsibility on Construction, Irving Kett, CE:Jan 64:56

TR:130:15

Role of Government on Water Resource Development, Ayers Brinser, IR4:Dec 65:13:4558

Stream-Aquifer System Analysis, Ali Eshett and Morton W. Bittinger, HY6:Nov 65:153:4545

The Value of Management in the Construction Industry, H.C. Turner, Jr., CE:Feb 64:59

TR:130:163

Water Management on Ricelands in Louisiana, Lester F. Lawhon and Louis W. Herndon, IR4:Dec 65:23:4569

MANPOWER

- Manpower by Critical Path Method, John A. Keane and Jack D. Trawick, CE:Jul 64:43
- TR:130:288

MAPPING

- Aerial Triangulation Using Independent Photo Pairs, Sandor A. Veres, SU2:Sep 65:27:4469
- American Society of Civil Engineers Policy on the Registration of Engineers, and Position Paper with Respect to the Model Law: Report by the Committee on Registration of Engineers, ASCE, Edward E. Bigelow, Chmn, PP2:Sep 65:11:4460
- Arctic Siting and Surveying, Max O. Laird, SU1:Apr 65:1:4287
- Daylight Star Observations in Antarctica, Douglas R. Lee, SU2:Jul 64:75:3971
- TR:130:221
- Mapping the World, Hal W. Hunt, CE:Feb 64:36
- Dec: R.W. Hall, CE:Apr 64:66
- TR:130:71
- Plane Coordinate Systems and Map Projections, Erwin Schmid, SU2:Jul 64:17:3962
- TR:130:444
- Simultaneous Relative Orientation of Multiple Cameras, Houssam M. Karara and Atef A. Elasa, SU2:Jul 64:109:3982
- TR:130:70
- Surveying and Mapping and Environmental Engineering, William T. Pryor, SU2:Jul 64:1:3961
- TR:130:631

MAPS

- Photogrammetry and Highway Law, Morris M. Abrams, SU2:Jul 64:153:3989
- TR:130:191
- Surveys and Maps for Industrial Growth, Earle J. Fennell, SU3:Oct 63:117:3673
- TR:130:671

MARINAS

- Marinas and Yacht Clubs--Planning and Financing, Stephen M. Olko, CE:Jun 65:58

MASONRY

Charts Simplify Reinforced-Masonry Design, J.N. Littlefield, CE:Aug 65:73

Masonry Walls on Continuous Beams, Saky Rosenhaupt and Yehuda Sakal, ST1:Feb 65:155:4226

National Brick and Tile Bearing Wall Conference advocates bearing walls, CE:Jul 65:84

MATERIALS

An Applied Science of Materials for Civil Engineers, Edward M. Krokosky, CE:Jul 65:54

Dsc, Archie Mathews, CE:Oct 65:81

Consuelo M. Hauser, CE:Oct 65:81

Ceramics as Structural Materials, Francis R. Shanley and William J. Knapp, ST4:Aug 65:47:4429

Dissipation of Elastic Wave Energy in Granular Soils, John R. Hall, Jr., and Frank E. Richart, Jr., SM6:Nov 63:27:3698

TR:130:663

Quantity Surveys for Cost Estimates, George W. Heller, CO1:Mar 64:37:3836

TR:130:333

Structure Designs Governed by Limited Deformations, Jacob Solomon, ST6:Dec 63:71:3718

TR:130:477

Subgrade Stabilization Under an Existing Runway, S. Chas. Dearnsteyne and Gene J. Newman, AT1:Apr 63:1:3473

TR:130:215

Thermal-Shock Effects on a Space Vehicle, Lewis Li-Tang Au and Donald J. Trent, EM4:Aug 65:1:4425

MATERIALS TESTING

ASTM to publish Journal of Materials, starting April 1966, CE:Nov 65:116

Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE:Nov 65:87

MATHEMATICS

Analysis of Nonlinear Structures: Force Method, Ralph M. Richard and John E. Goldberg, ST6:Dec 65:33:4553

Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709

TR:130:498

Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Pul W. Shuldiner, EM6:Dec 63:97:3729

TR:130:346

Bending Analysis for Clamped Rectangular Plates, Leonard R. Herrmann, EM3:Jun 64:71:3934

TR:130:251

Computation of Offsets from Curves, John J. Durkin, CE:Sep 64:67

Dsc: Carl F. Meyer, CE:Nov 64:72; T.F. Hickerson, Nov 64:72; T.F. Hickerson, Feb 65:69

Ground-Water Management for the Nation's Future—Optimum Conjunctive Operation of Ground-Water Basins, Robert Y.D. Chun, Lewis

R. Mitchell, and Kiyoshi W. Mido, HY4:Jul 64:79:3965

TR:130:355

Heat Analysis - A Tensorial-Dimensional Approach, Sidney F. Borg, EM6:Dec 65:145:4584

Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680

TR:130:153

Men, Models, Methods and Machines in Hydrologic Analysis, Willard M. Snyder and John B. Stall, HY2:Mar 65:85:4256

Moment Coefficients for Fixed-End Beams to Be Used in the Three-Moment Equation, Thomas D.Y. Fok and Thomas F. Mosure, CE:Aug 64:78

Dsc: F.P. Wiesinger, CE:Nov 64:73;

Charles O. Heller, Jan 65:84

Pressure Distribution of Spillway Flip Buckets, Tio-Chun Chen and Yun-Sheng Yu, HY2:Mar 65:51:4251

Relationship of Offset Center Line to Given Base Line, Winslow T. Shearman, SU2:Sep 65:39:4479

Series Solution of Skewed Plates, J.B. Kennedy and M.W. Huggins, EM1:Feb 64:1:3795

TR:130:308

Simple Dimensional Method for Hydraulic Problems, Richard B. Whittington, HY5:Sep 63:1:3629

TR:130:135

Spacing of Drains by an Approximate Method, Gedeon Dagan, IR1:Mar 64:41:3824

TR:130:81

Steady Drainage of Two-Layered Soil, Gedeon Dagan, IR3:Sep 65:51:4474

Tri-Diagonal Matrix Method for Complex Structures, B.E. Gatewood and Norik Ohanian, ST2:Apr 65:27:4291

MATRICES

Analysis of Nonlinear Structures: Force Method, Ralph M. Richard and John E. Goldberg, ST6:Dec 65:33:4553

Buckling of Multistory Buildings, John E. Goldberg, EM1:Feb 65:51:4223

Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717

TR:130:34

Finite Element Analysis of Axi-Symmetric Solids, Ray W. Clough and Yusef Rashid, EM1:Feb 65:71:4229

General Computer Program for Limit Analysis, Chu-Kia Wang, ST6:Dec 63:101:3719

TR:130:161

Matrix Formulation of Structural Stability Problems, Billy J. Hartz, ST6:Dec 65:141:4572

Network Analysis of Structures, Frank L. Di Maggio and William R. Spillers, EM3:Jun 65:169:4376

Tri-Diagonal Matrix Method for Complex Structures, B.E. Gatewood and Norik Ohanian, ST2:Apr 65:27:4291

MEASURING INSTRUMENTS

Canal Discharge Measurements with Radioisotopes, Jack C. Schuster, HY2:Mar 65:101:4258

MEASURING INSTRUMENTS Continued

Consolidation of Normally Consolidated Clay,
Laing Barden and Peter L. Berry, SM5:Sep 65:
15:4481

Deflection of Tall Guyed Tower in Dallas,
J. K. Gorseclose, CE:Nov 64:68

TR:130:571

Development of a Solid-Liquid Flow Meter,
Norbert L. Ackerman and Chaleo Niyomthai,
HY2:Mar 64:121:3829

TR:130:381

Flow Measurements at Columbia River Power
Plants, Nicholas A. Dodge, HY2:Mar 65:125:
4263

Measurement of Ruffled Water Surface Ele-
vation, A. J. Raudkivi, HY2:Mar 65:65:4254

Measuring Instruments for Struted Excavating,
Lauritis Bjerrum, T. Cameron Kenney, and B.
Kjaernsli, SM1:Jan 65:111:4210

Michigan Study of Pile Driving Hammers,
William S. Housel, SM5:Sep 65:37:4483

New Techniques for Very Accurate Measure-
ment, Eugene H. Koenig, CE:Aug 64:41

TR:130:358

Self-Recording Soil Penetrometer, Bengt B.
Broms and D. E. Broussard, SM1:Jan 65:53:
4200

Simple Apparatus for Producing Model Tides,
Johan Albert Zwamborn, HY2:Mar 65:39:4250

Submerged Hydraulic Jump, Nallamuthu
Rajaratnam, HY4:Jul 65:71:4403

Time of Travel of Soluble Contaminants in
Streams, Thomas J. Buchanan, SA3:Jun 64:1:
3932

TR:130:669

Turbulence Measured by Electrokinetic Trans-
ducers, Hsing Chuang and Jack E. Cermak, HY6:
Nov 65:1:4526

U. S. --Japanese seminar on instrumentation
for hydraulic research held, CE:Aug 65:106;
Oct 65:107

MECHANICS

Papers needed for Third Southeastern Confer-
ence on Theoretical and Applied Mechanics,
CE:Sep 65:90

METRIC SYSTEM

Adoption of metric system in U. S. opposed by
ASME, CE:Jan 65:98

Britain--Shift to metric system to take 10
years, CE:Jul 65:86

The Metric System Now, Frits H. Fenger,
CE:Dec 65:49

METEROROLOGY

Ratio of True to Fixed-Interval Maximum
Rainfall, Leonard L. Weiss, HY1:Jan 64:77:3758

TR:130:66

MIDDLE RIO GRANDE VALLEY

Sediment Investigations--Middle Rio Grande,
Ernest L. Pemberton, HY2:Mar 64:163:3833

TR:130:187

MILITARY ENGINEERING

Military Engineering in Vietnam, Peter A.
Corradi, CE:Nov 65:47

Underground NORAD Command Center at
Colorado Springs, Theodore O. Blaschke,
CE:May 64:36

TR:130:237

MILITARY ORGANIZATIONS

Handbook, "Selective Service and Military
Policies on Classification, Deferment and
Delay," issued by EJC, CE:May 65:80

MISSILES

Environmental Missile Launch Systems, Don
J. Wood, CE:Nov 64:56

TR:130:579

Idaho--Contract awarded for Boise missile
launching facilities, CE:Apr 65:99

MISSISSIPPI RIVER

Foreshore Protection, Lower Mississippi
River, Rudolf Hertzberg, WW2:May 65:1:4305

MISSOURI RIVER

Machine Tunneling on Missouri River Dams,
Lloyd B. Underwood, CO1:May 65:1:4314

Rebound in Redesign of Oahe Dam Hydraulic
Structures, Lloyd B. Underwood, Stanley T.
Thorfinnson, and William T. Black, SM2:Mar
64:65:3830

TR:130:47

MODELS

Analytical Methods in Transportation: Digital
Simulation of Traffic, Aaron Glickstein, EM6:
Dec 63:1:3709

TR:130:498

Channel Changes in the St. Clair River Since
1933, Ira M. Korkigian, WW2:May 63:1:3511

TR:130:5

Computer Simulation of Estuarial Networks,
Robert P. Shubinski and James C. McCarty,
HY5:Sep 65:33:4470

Dynamic Similitude of Underground Structures,
Donald F. Young and Glenn Murphy, EM3:Jun
64:111:3938

TR:130:439

Forecasting Air Traffic, Ronald E. Miller,
AT2:Oct 65:1:4486

Generation of Artificial Earthquakes, G. W.
Housner and P. C. Jennings, EM1:Feb 64:113:
3806

TR:130:530

Ground-Water Management for the Nation's
Future--Computer Simulation of Ground-Water
Basins, Howell N. Tyson and Ernest M. Weber,
HY4:Jul 64:59:3973

TR:130:760

Ground-Water Management for the Nation's
Future--Optimim Conjunctive Operation of
Ground-Water Basins, Robert Y. D. Chun, Lewis
R. Mitchell, and Kiyoshi W. Mido, HY4:Jul 64:
79:3965

TR:130:355

Ground-Water Models Solved by Digital
Computer, Irwin Remson, Charles A. Appel,
and Raymond A. Webster, HY3:May 65:133:4330

High Density Vehicular Flow/Density Relation-
ships, Danilo M. Garcia and John Hugh Jones,
HW2:Dec 65:37:4581

MODELS Continued

Hydraulic Downpull on Ice Harbor Powerhouse Gate, Peter M. Smith, HY3:May 64:193:3903
TR:130:574

Hydraulic Jump in All Shapes of Horizontal Channels, R. Silvester, HY1:Jan 64:23:3754
TR:130:75

Irrigation Planning Using Climatological Data, Edward H. Wiser, IR4:Dec 65:1:4551
Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680
TR:130:153

Men, Models, Methods and Machines in Hydrologic Analysis, Willard M. Snyder and John B. Stall, HY2:Mar 65:85:4256

Navigation Locks: Navigation Lock Gates and Valves, George C. Richardson, WW1:Feb 64:79:3799
TR:130:394

Pressure Distribution on Spillway Flip Buckets, Tio-Chun Chen and Yun-Sheng Yu, HY2:Mar 65:51:4251

Prestressed Anchorage for Large Tainter Gate, Andrew Eberhardt and Jan A. Veltrop, ST6:Dec 64:123:4170
TR:130:757

Seismic Study of Arch Dams, J. Laginha Serafim and J. Oliveira Pedro, ST2:Apr 65:15:4284

Simple Apparatus for Producing Model Tides, Johan Albert Zwamborn, HY2:Mar 65:39:4250
Simple Dimensional Method for Hydraulic Problems, Richard B. Whittington, HY5:Sep 63:1:3629
TR:130:135

Stochastic Model for Predicting Subsidence, Arnold L. Sweet and John L. Bogdanoff, EM2:Apr 65:21:4292

Stresses at Tunnel Intersections, William F. Riley, EM2:Apr 64:167:3875
TR:130:615

Stresses in Hyperboloids under Edge Loadings, David G. Elms, David P. Billington, and Robert Mark, EM4:Aug 65:89:4441

The Nature of Damping in Sands, Bobby O. Hardin, SM1:Jan 65:63:4206

Turbulent Mixing Phenomena of Ocean Outfalls, Richard J. Frankel and James D. Cumming, SA2:Apr 65:33:4297

Wave-Induced Oscillations in Harbors, Fred-eric Raichlen and Arthur T. Ippen, HY2:Mar 65:1:4241

MOMENT DISTRIBUTIONS

Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717
TR:130:34

Generalization of Hardy Cross Method, Lino Quirko, ST5:Oct 65:57:4502

MOMENTS

Design Charts for Symmetrically Haunched Members, Rayford B. Smith, CE:Aug 65:72
Inelastic Lateral-Torsional Buckling of Beam Columns, Constancio Miranda and Morris Ojalvo, EM6:Dec 65:21:4563

Influence-Line Spectrum by Graphical Construction, Charles G. Salmon, and Donald R. Buettner, CE:Jul 64:54
TR:130:428

Moment Coefficients for Fixed-End Beams to Be Used in the Three-Moment Equation, Thomas D.Y. Fok and Thomas F. Mosure, CE:Aug 64:78
Dsc: F.P. Wiesinger, CE:Nov 64:73;
Charles O. Heller, Jan: 65:84; Author's reply: CE:Apr 65:79
TR:130:449

MONORAILS

Japan--Monorail connects Tokyo with its airport, CE:Mar 65:87

MONUMENTS

Missouri--St. Louis Steel Arch, Symbol of the Spirit of the Pioneers, J.E.N. Jensen, CE:Oct 65:64

Missouri--St. Louis Gateway Arch completed, CE:Dec 65:84

MOON

Engineering Challenges of Lunar Exploration, Daniel L. Lycan, CE:Dec 65:40

MUNICIPAL ENGINEERING

Collective Bargaining for Municipal Engineers, Herman P. Zaroni, CE:Sep 65:50
Municipal Engineering Is a Profession, Douglas Talbot, CE:Apr 65:57

MUSEUMS

ASCE cooperation asked by Smithsonian, CE:May 65:47
Smithsonian--Water wheel regulator donated, CE:Jun 65:95

NAVIGATION

Control of Obnoxious Aquatic Plants in the Southeast, Otis M. Jernigan, Angelo Tabita, and William E. Wunderlich, WW4:Nov 65:31:4536

How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690
TR:130:641

Navigation Locks: Filling and Emptying Systems for Locks, Martin E. Nelson and Harvey J. Johnson, WW1:Feb 64:47:3789
TR:130:398

Navigation Locks: TVA's Multiport Lock Filling and Emptying System, Rex A. Elder, James T. Price and Ward W. Engle, WW1:Feb 64:31:3788
TR:130:379

Pneumatic Reduction of Salt Intrusion Through Locks, G. Abraham and P. vander Burgh, HY1:Jan 64:83:3758
TR:130:166

Water Resources Problems Generated by Obnoxious Plants, Francis J. Guscio, Thomas R. Bartley, and Arthur N. Beck, WW4:Nov 65:47:4537

NEW MEXICO

Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637
TR:130:57

NILE RIVER VALLEY

Natural Drainage of River Valleys, Hammad Y. Hammad, IR2:Jun 65:39:4360

NOMAGRAPHS

Charts Simplify Reinforced-Masonry Design, J. N. Littlefield, CE:Aug 65:73
Design Charts for Symetrically Haunched Members, Rayford B. Smith, CE:Aug 65:72
Designing Isolated Footings against Overturning, Donald G. Newnan, CE:Dec 65:70
Design of Concrete Beams and Slabs, Anselm Cefola, CE:Oct 65:83
Graphical Solution of the Chezy-Manning Formula for Open-Channel Flow, Roland W. Jeppson, CE:Mar 65:61
Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579

NUCLEAR ENERGY

AEC selects contractor for 200-BEV proton accelerator, CE:Jul 65:87
A Sea-Level Canal to Link the Atlantic and the Pacific, Senator Warren G. Magnuson, CE:Aug 64:70
TR:130:405
Atomic power recommended for California Water Project, CE:Jan 65:100
Has Nuclear Power Become Competitive?, R. N. Bergstrom, CE:Feb 65:32
Nuclear Craters for Water Resources Development and Management, David K. Todd, CE:Jun 65:64
Nuclear Excavation of a Sea-Level Isthmian Canal, Ernest Graves, Jr., CE:Oct 64:48
TR:130:461
Nuclear reactor for 200-mgd desalting plant developed for AEC, CE:Oct 65:103
Underground NORAD Command Center at Colorado Springs, Theodore O. Blaschke, CE:May 64:36
TR:130:237

NUCLEAR EXPLOSIONS

Shock and Reflection in a Nonlinear Medium, Paul Weidlinger, EM3:Jun 65:147:4375

OCEANOGRAPHY

Engineering for Marine Exploration and Development, Edward Wenk, Jr., PP2:Sep 65:35:4466

OCEANS

Maryland--Ocean research lab to be built on Chesapeake Bay near Annapolis, CE:Apr 65:97
Mohole drilling sites to be in the Pacific, CE:Mar 65:84
Turbulent Mixing Phenomena of Ocean Outfalls, Richard J. Frankel and James D. Cumming, SA2:Apr 65:33:4297
Yearly Sea Level Variations for the United States, Steacy D. Hicks and William Shofnos, HY5:Sep 65:23:4468

OFFICE BUILDINGS

Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE:May 65:62
Colorado--Contract let for USBR Building in Denver, CE:Feb 65:82
Combination Water Systems for High-Rise Buildings, G. D. Testin, CE:Apr 65:65
Illinois--Chicago to have 800-ft high tapering skyscraper, CE:Feb 65:82
Massachusetts--Boston dedicates Prudential Center, CE:Jun 65:91
Missouri--Arc Welding Speeds Construction of Springfield Office Building, Rudolph F. Fischl and Georg Klatte, CE:Feb 65:60
New York--Two New York City buildings joined by welding, CE:Feb 65:65
Pennsylvania--Pittsburgh to build 60-story office building, CE:Jul 65:87
Seattle IBM Building wins American Iron and Steel Institute award, CE:Mar 65:84

OFFSHORE STRUCTURES

Steel Offshore Towers as Navigation Aids, J. V. Ruffin, CE:Nov 65:72
The Bow Mooring for Berthing Tankers, Leonard E. Van Houten and G. A. McCammon, CE:Mar 64:60
TR:130:125
Virginia--Construction of Chesapeake Light Station, John W. Fowler, CE:Nov 65:76

ORGANIZATIONS

AASHO elects Charles Shumate president, CE:Nov 65:113
American Society for Engineering Education moves from Urbana, Ill., to Washington, D.C., CE:Oct 65:107
EUSEC holds ninth Plenary Assembly in Stockholm, Aug 28-Sep 1, CE:Nov 65:104
Function and Organization of Highway Drainage Sections, Frederick W. Thorstenson, HW1:Jan 65:49:4207
National Academy of Engineering moved from New York to Washington, CE:Oct 65:106
Report of 38th Annual Convention of WPCF, Atlantic City, N.J., Oct. 10-14, CE:Dec 65:84

ORTHOTROPIC BRIDGES

California Builds Experimental Orthotropic Plate Bridge, Raymond E. Davis and Ostap Bender, CE:Nov 64:62
Dsc: Roman Wolchuk, CE:Jan 65:83
TR:130:547
Illinois--Orthotropic bridge to span the Mississippi at East St. Louis, CE:Dec 64:89
Corr: M. P. Walsh, CE:Mar 65:64

OXIDATION

Role of Protozoa in the Diphasic Exertion of BOD, Manmohan N. Bhatla and Anthony F. Gaudy, Jr., SA3:Jun 65:63:4371

PANAMA CANAL

- Underwater Inspection of Test Fill in Gatun Lake for Dam to Serve Panama Canal, Anthony P. Mann, CE:May 64:31
TR:130:241

PARKING FACILITIES

- Automobile Parking Requirements at Airports, Wolfgang S. Homburger and William R. Eager, AT2:Oct 64:141:4078
TR:130:805
Trends in Automobile Parking at Airports, Charles A. Lawler, AT2:Oct 64:69:4076
TR:130:583

PARKS

- Hawaii--Unique water system for Sea Life Park, CE:Mar 65:85

PATENTS

- Guide to patent law for engineers published, CE:May 65:85

PAVEMENTS

- A City Engineer Talks about Paving, Gilbert B. White, CE:Mar 64:63
TR:130:278
Airfield Pavement Evaluation Procedures, Philip P. Brown, AT1:Apr 65:15:4299
Asphalt Paving Equipment, John J. Laing, CE:Jun 64:36
TR:130:475
Barge Decks Resurfaced with Asphalt, William P. Helbock, CE:Nov 65:54
Electric Controls for Laying Smooth Pavements, R.L. Peurifoy, CE:Sep 65:56
Oregon Sets the Pace on the Interstate, Carl S. Larson, CE:Mar 64:32
TR:130:196
Paving Roof Decks and Industrial Floors, Lansing Tuttle, CE:Jul 64:58
TR:130:301
Rigid and Stiff Airport Paving, Henry P. Carothers, AT1:May 64:17:3893
TR:130:791
Soil-Lime Research at Iowa State University, Manuel Mateos, SM2:Mar 64:127:3847
TR:130:433
Stress Repetition in Pavement Design, Richard G. Ahlvin and Donald N. Brown, AT2:Oct 65:29:4489
Texas--Houston Airport, Study in Engineer-Contractor Harmony, H.O. Fischer, CE:Sep 65:32
What's New in Concrete Paving, E.C. Lokken, CE:Mar 64:54
Dsc: Delmar L. Bloem, CE:May 64:64
TR:130:151

PENSTOCKS

- Hydraulic Studies of Large Penstock Trifurcation, John S. Gladwell and E. Roy Tinney, PO1:May 65:59:4334

PERMEABILITY

- Auxiliary Potential Function for Seepage, Bruce B. Schimming and Robert L. Kondner, IR2:Jun 64:21:3930
TR:130:769
British Grouting Practice on Granular Materials, William E. Perrott, SM6:Nov 65:57:4542
Consolidation of Normally Consolidated Clay, Laing Barden and Peter L. Berry, SM5:Sep 65:15:4481
Permeability of Compacted Clay, James K. Mitchell, Don R. Hooper, and Richard G. Campenella, SM4:Jul 65:41:4392
Plastic Pipe for Water and Gas Distribution, R.I. Leininger, PL1:Jul 65:1:4404
Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541
Pumping Test to Determine Permeability Ratio, Charles I. Mansur and Rudy J. Dietrich, SM4:Jul 65:151:4415
Sample Size Estimates in Permeability Studies, Lyman S. Willardson and Rex L. Hurst, IR1:Mar 65:1:4240

PERSONNEL

- Function and Organization of Highway Drainage Sections, Frederick W. Thorstenson, HW1:Jan 65:49:4207

PHOTOELASTICITY

- Large Strain Analysis and Stresses in Linear Materials, August J. Durelli and Alfred P. Mulzet, EM3:Jun 65:65:4367
Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE:Nov 65:87
Stresses at Tunnel Intersections, William F. Riley, EM2:Apr 64:167:3875
TR:130:615

PHOTOGRAMMETRY

- Aerial Traverse and Maximum Bridging Distance, Sandor A. Veres, SU3:Oct 63:157:3679
TR:130:211
Aerial Triangulation Using Independent Photo Pairs, Sandor A. Veres, SU2:Sep 65:27:4469
Analogue Aerial Triangulation, Herbert S. Williams, SU2:Jul 64:49:3968
TR:130:245
Double Summation of Errors in Aerial Triangulation, Gordon Gracie, SU2:Sep 65:13:4467
Laser aids aerial mapping work, CE:May 65:88
Mapping the World, Hal W. Hunt, CE:Feb 64:36
Dsc: R.W. Hall, CE:Apr 64:66
TR:130:71
Photogrammetry and Highway Law, Morris M. Abrams, SU2:Jul 64:153:3989
TR:130:191
Planning and Design of Aerotriangulation Projects, Houssam M. Karara, SU2:Jul 64:117:3986
TR:130:424
Simultaneous Relative Orientation of Multiple Cameras, Houssam M. Karara and Atef A. Elassal, SU2:Jul 64:109:3982
TR:130:70

PHOTOGRAMMETRY Continued

Surveying and Mapping and Environmental Engineering, William T. Pryor, SU2:Jul 64: 1:3961

TR:130:631

PIERS

California--Largest commercial pier under construction, CE:Dec 65:85

Critical Analysis of Open-Channel Resistance, Hunter Rouse, HY4:Jul 65:1:4387

Pier Extension and Repair at Tallmans Island Sewage Treatment Plant at College Point, Remig A. Papp, CE:Jul 64:48

TR:130:306

Pile and Pier Foundations, Ralph B. Peck, SM2:Mar 65:33:4273

PILES AND PILE DRIVING

Analysis of Pile Groups with Flexural Resistance, A.J. Francis, SM3:May 64:1:3887

TR:130:600

Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works, ASCE, Harvill E. Weller, Chmn, WW1: Feb 65:7:4236

Design of Laterally Loaded Piles, Bengt B. Broms, SM3:May 65:79:4342

Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz, SM5:Sep 65:1:4476

Irregular Wave Forces on a Pile, Willard J. Pierson, Jr. and Patrick Holmes, WW4:Nov 65: 1:4528

Load Transfer in a Step-Taper Pile, Elmo D'Appolonia and John A. Hribar, SM6:Nov 63: 57:3700

TR:130:353

Michigan Study of Pile Driving Hammers, William S. Housel, SM5:Sep 65:37:4483

New York--World's largest pile driver helps build Riker's Island Bridge in New York City, CE:Apr 65:98

Pile and Pier Foundations, Ralph B. Peck, SM2:Mar 65:33:4273

Prediction of Pile Capacity by the Wave Equation, Paul W. Forehand and Joseph L. Reese, Jr., SM2:Mar 64:1:3820

TR:130:399

Seismic Analysis of Bridges on Long Piles, Joseph Penzien, Charles F. Scheffey, and Richard A. Parmelee, EM3:Jun 64:223:3953

TR:130:321

The Long Thermopile, Erwin L. Long, CE: Apr 64:36

TR:130:189

The Structural Action of Pile Cluster Dolphins, David G. Elms and Werner E. Schmid, WW4: Nov 65:11:4529

Vibratory Driver Successful for Sheetpile Cells, in Erie Harbor, E.W. Boggs, CE: Apr 64:58

TR:130:243

PIPELINES

Analysis of Blast Effects on Pipelines, George M. McClure, Thomas J. Atterbury, and Noah A. Frazier, PL2:Nov 64:25:4137

TR:130:603

Arc Lengths and Curvature of Parabolic Segments, Murphy H. Thibodeaux, PL1:Jan 64:1: 3755

TR:130:622

California--Cooling water pipeline placed for San Onofre Nuclear Generating Station, CE: Nov 65:115

California--Planning and Anchoring 12 Miles of Big Pipe for Santa Clara County, M.K. Harris, CE:Jun 65:61

California--Steel Pipe for South Bay Aqueduct, Alfred R. Golze, CE:Mar 65:36

Criteria for Planning an Offshore Pipeline, Joe L. Krieg, PL1:Jul 65:15:4407

Design of Flexible Steel Pipe Under External Loads, Walter H. Cates, PL1:Jan 64:21:3767

TR:130:599

Europe--Oil pipeline through Alps begun, CE:Aug 65:104

Georgia--River Bypass Boosts Efficiency of Power Plant on Chattahoochee River, CE:Nov 65:88

Gravity Flow Reinforced Concrete Pipe Design, Howard F. Peckworth and John G. Hendrickson, PL1:Jan 64:33:3771

TR:130:584

New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE: Mar 65:34

New weld pipe mill produces long line pipe, CE:Jan 65:98

Pipeline Industry Development Conference, Houston, Texas, Nov. 3-5, Report, CE: Dec 65:51

Plastic Pipe for Water and Gas Distribution, R.I. Leininger, PL1:Jul 65:1:4404

Prestressed-Concrete Water Line Laid near Fresno at Rate of 200 ft Per Hour, John S. Miller, CE:Apr 64:52

TR:130:195

Rigid Water Column Theory for Uniform Gate Closure, Harold R. Vallentine, HY4:Jul 65:27: 4386

The Performance of Casing Pipes Under Railroads and Highways: Report of the Research Council on Pipeline Crossings of Railroads and Highways, ASCE, J.E. Thompson, Chmn, PL1: Jul 65:39:4419

Understanding and Controlling Corrosion, Harry Neugold, Jr., CE:Mar 65:57

Dsc: R.E. Bald, CE:May 65:74

Understanding the Corrosion Resistance of Concrete Pipe, John A. Shaw, CE:Jun 65:39

Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

TR:130:1

Waterhammer Analysis of Pipelines, Victor L. Streeter, HY4:Jul 64:151:3974

TR:130:591

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

PIPELINES Continued

Water Supply for Saigon, Walter T. McPhee, CE:Sep 65:59

PIPES

Colorado--70-ft Underpass of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84

Gravity Flow Reinforced Concrete Pipe Design, Howard F. Peckworth and John G. Hendrickson, PL1:Jan 64:33:3771

TR:130:584

Low Pressure Air Test for Sanitary Sewers, Roy E. Ramseier and George C. Riek, SA2:Apr 64:1:3883

TR:130:677

Plastic Pipe for Water and Gas Distribution, R.I. Leininger, PL1:Jul 65:1:4404
Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6:Nov 65:37:4532

PLANNING

Civil Engineering in Urban Transportation Planning, Thomas J. Fratar, HW2:Dec 65:11:4560

Comprehensive Planning in the Southeast, George E. Tomlinson, HY5:Sep 65:81:4480
Criteria for Planning an Offshore Pipeline, Joe L. Krieg, PL1:Jul 65:15:4407

Economics and Finance in Airport Planning, Belford Brown, AT2:Oct 64:197:4080

TR:130:488

Engineering for Marine Exploration and Development, Edward Wenk, Jr., PP2:Sep 65:35:4466

Engineering Principles of Urban Transportation Planning, Kurt W. Bauer, HW2:Dec 65:1:4559
Functional Planning of Bulk Material Ports, Leonard S. Oberman, WW2:May 65:17:4310

Installation Procedure for Hot Metal Facility, L. Earl Tabler, Jr., CO1:May 65:179:4341

Photogrammetry and Highway Law, Morris M. Abrams, SU2:Jul 64:153:3989

TR:130:191

Planning and Design of Aerotriangulation Projects, Houssam M. Karara, SU2:Jul 64:117:3986

TR:130:424

Population Forecasting by Sanitary Engineers, Frederick E. McJunkin, SA4:Aug 64:31:3993

TR:130:782

Progress in Waste Water Re-Use in Southern California, John D. Parkhurst, IR1:Mar 65:79:4253

Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579

Role of Government on Water Resource Development, Ayers Brinser, IR4:Dec 65:13:4558
Sedimentation Aspects in Recreation Planning, Donald C. Bondurant and Robert H. Livesey, HY5:Sep 65:51:4473

Surveys and Maps for Industrial Growth, Earle J. Fennell, SU3:Oct 63:117:3673

TR:130:671

Using Engineering to Enslave You, Adolph J. Ackerman, CE:Jul 64:67

Dsc: Alan R. Chandler, CE:Sep 64:69; Allan C. Tedrow, CE:Sep 64:69; Archie Matthews, CE:Sep 64:69; Alfred R. Golze, CE:Oct 64:66; Leon D.

Luck, CE:Oct 64:67; Alfred Orgram, CE:Nov 64:73

TR:130:340

Water Resources Planning for the Delaware Basin, Russell Morgan, HY5:Sep 65:65:4475

PLANTS

Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579

PLASTIC DESIGN

Analysis of Deflections in Elastic-Plastic Frames, Niels C. Lind, ST3:Jun 65:197:4381

Flange Local Buckling in Wide-Flange Shapes, Maxwell G. Lay, ST6:Dec 65:95:4554

Role of Strain Hardening in Plastic Design, Maxwell G. Lay and Paul D. Smith, ST3:Jun 65:25:4355

PLASTICITY

Buckling of Steel Columns Under Arbitrary End Loads, Seng-Lip Lee and G.F. Hauck, ST2:Apr 64:179:3872

TR:130:73

Circular Plates Loaded into the Plastic Region, Leslie M. Lackman, EM6:Dec 64:21:4155

TR:130:787

Collapse of Arches Under Repeated Loading, Vincenzo Franciosi, Giuliano Augusti, and Renato Sparcio, ST1:Feb 64:165:3803

TR:130:391

Cylindrical Shells Under Ring Loads, Halil Halit Demir, ST3:Jun 65:71:4366

Dynamic Analysis of Elastic-Plastic Frames, Arthur C. Heldebrecht, Seng-Lip Lee, and John F. Fleming, ST2:Apr 64:315:3881

TR:130:33

Flange Local Buckling in Wide-Flange Shapes, Maxwell G. Lay, ST6:Dec 65:95:4554

Importance of Strain Hardening in Plastic Design, Alexander P. Hrennikoff, ST4:Aug 65:23:4424

Iterative Limit Load Analysis for Tall Frames, Niels C. Lind, ST2:Apr 64:103:3867

TR:130:661

Minimum Weight Plastic Design of Continuous Frames, Donald A. Sawyer and Linton E. Grin-ter, EM3:Jun 64:39:3927

TR:130:711

Plastic Analysis and Design of Non-Prismatic Members, Bruce G. Rogers and William H. Munse, Jr., ST5:Oct 65:299:4519

Plastic Analysis of Circular Balcony Girders, Kuang-Han Chu and Arthur Thelen, ST6:Dec 63:159:3726

TR:130:62

Plastic Behavior of Tubular Beam Columns, Timothy J. Dwyer and Theodore V. Galambos, ST4:Aug 65:153:4446

Relief of Residual Stresses by Heating Patterns, T.H. Lin and Leslie M. Lackman, EM3:Jun 64:87:3937

TR:130:675

Spherical Elastic Plastic Shock Propagation, Morton B. Friedman, Hans H. Bleich, and Raymond Parnes, EM3:Jun 65:189:4377

PLASTICITY Continued

- Structural Subassemblages Prevented from Sway, Victor Levi, George C. Driscoll, Jr., and Le-Wu Lu, ST5:Oct 65:103:4509
- Test of Cylindrical Shells in the Plastic Range, Giuliano Augusti and Salvatore d'Agostino, EM1:Feb 64:69:3802
- TR:130:335
- Wave Propagation in Elastic-Plastic Solids, R.L. Bjork and C.Y. Liu, EM5:Oct 65:77:4506
- Yielding of Uniformly Loaded Steel Members, Maxwell G. Lay, ST6:Dec 65:49:4580

PLASTICS

- Alaska--Plastic Insulation vs. Deep Trenching for Seldovia Water Mains, Frank Nyman, CE:Mar 65:40
- ASCE Committee on Plastics to report at Environmental Engineering Conference, Aug 65:88
- Disc by Kenneth Balk, asking for information on structural plastics, CE:Jun 65:72
- Plastic Pipe for Water and Gas Distribution, R.I. Leininger, PL1:Jul 65:1:4404
- Utah--Lift Slabs (in Salt Lake City) Cast under Plastic Cover for Raising in Spring, Robert Sawyer, CE:Jul 65:42

PLATES (Structural Members)

- Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
- TR:130:3
- Analysis of Multicell Box Gates for Dry Docks, Mohamed Ali El-gaaly, ST3:Jun 65:171:4380
- Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
- TR:130:139
- Analysis of Short Folded Plates, Max Reiss and Michael Yitzhak, ST5:Oct 65:233:4516
- Analysis of Truss-Plate Structures, James W. Gillespie, ST2:Apr 65:129:4300
- Bending Analysis for Clamped Rectangular Plates, Leonard R. Herrmann, EM3:Jun 64:71:3934
- TR:130:251
- Bending of Circular Sandwich Plates, Jao-Shiun Kao, EM4:Aug 65:165:4449
- Circular Plates Loaded into the Plastic Region, Leslie M. Lackman, EM6:Dec 64:21:4155
- TR:130:787
- Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5:Oct 65:255:4518
- Development of Boundary Layers in Buckled Plates, Ernest F. Masur and C.H. Chang, EM2:Apr 64:33:3863
- TR:130:67
- Direct Stiffness Solution for Folded Plates, Armin DeFries-Skene and A.C. Scordelis, ST4:Aug 64:15:3994
- TR:130:717
- Direct Stress Analysis of Orthotropic Bridge Slabs, Alexander Coull, ST2:Apr 64:1:3856
- TR:130:13

- Eigen-Matrix Method for Beams and Plates, Bennisuke Tanimoto, ST5:Oct 63:173:3681
- TR:130:103
- Elastic Plates Subjected to Moving Heat Sources, Ardeshir Jahanshahi, EM4:Aug 65:27:4426
- Face-Wrinkling Mode of Buckling of Sandwich Panels, Billy J. Harris and W.C. Crisman, EM3:Jun 65:93:4370
- Grid-Framework Method for Plates in Flexure, Alan L. Yettram and Husain M. Husain, EM3:Jun 65:53:4361
- Limit Analysis of Circular Orthotropic Plates, Toshio Mura, Jao-Shiun Kao, and Seng-Lip Lee, EM5:Oct 64:375:4109
- TR:130:607
- Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588
- TR:130:51
- Plastic Analysis of Orthotropic Circular Plates, Joel Markowitz and Ling-Wen Hu, EM5:Oct 64:251:4098
- TR:130:630
- Prismatic Shells with Intermediate Columns, Victor A. Pulmano and Seng-Lip Lee, ST6:Dec 65:215:4578
- Reinforcing for a Rectangular Opening in a Plate, Robert R. Snell and Marion B. Scott, ST4:Aug 65:169:4451
- Relief of Residual Stresses by Heating Patterns, T.H. Lin and Leslie M. Lackman, EM3:Jun 64:87:3937
- TR:130:675
- Rigidity and Strength of Composite Plates, C. W. Beadle, J.W. Dally and W.F. Riley, EM6:Dec 64:211:4183
- TR:130:777
- Series Solution of Skewed Plates, J.B. Kennedy and M.W. Huggins, EM1:Feb 64:1:3795
- TR:130:308
- Shear of Thin Plates with Flexible Edge Members, Eric R. Bryan and Wagih M. El-Dakhkhni, ST4:Aug 64:1:3991
- TR:130:289
- Solution of Buckling Problems by Reduction Method, P. Shuleshko, EM3:Jun 64:147:3945
- TR:130:315
- Stresses in a Uniformly Loaded Two-Layer Circular Plate, Martin A. Goldberg, Malcolm Newman, and Marvin J. Forray, EM3:Jun 65:13:4356
- Test of a Reinforced Concrete Flat Plate, David S. Hatcher, Mete A. Sozen, and Chester P. Siess, ST5:Oct 65:205:4514
- Vibrations and Stability of Buckled Panels, Yao W. Chang and Ernest F. Masur, EM5:Oct 65:1:4497
- Welded Constructional Alloy Plate Girders, P.B. Cooper, H.S. Lew, and B.T. Yen, ST1:Feb 64:1:3784
- TR:130:123
- POLAND**
- Inland Water Transportation in Poland, Fryderick Tomala, WW1:Feb 65:1:4231

POLLUTION

- Field Estimates of Oxygen Balance Parameters, Thomas R. Camp, SA5:Oct 65:1:4485
 Two-Dimensional Infiltration and Wetting Fronts, Sadik Toksoz, Don Kirkham and E. Robert Baumann, IR3:Sep 65:65:4477

POPULATION (Statistical)

- Population Forecasting by Sanitary Engineers, Frederick E. McKunkin, SA4:Aug 64:31:3993
 TR:130:782

POWER

- Aesthetic Design of Electric Distribution Lines, Thomas A. Bettersworth, UPI:Jul 65:31:4400

ASCE Power Division's first specialty conference Denver, Colo., Aug 18-20, CE:Feb 65:46; Mar 65:74; Program CE:Jun 65:76; Jul 65:79

ASCE to take part in American Power Conference, Apr. 27-29, CE:Feb 65:45

California--California Water Project, Power Plans and Demands, Alfred R. Golze, CE:Feb 65:35

Comprehensive Planning in the Southeast, George E. Tomlinson, HY5:Sep 65:81:4460

Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, POI:Sept 63:9:3642

TR:130:416

Development of Arch Action in Arch Dams, K. V. Swaminathan, POI:May 65:39:4329

East Pakistan--Master Plan for Water and Power Development, Ernest M. Bowles, CE:Aug 65:56

England--One of Europe's largest power stations built in Yorkshire, CE:May 65:85

Evaluation of Recreation in Water Developments, William M. White, POI:May 65:1:4306

Federal Power Commission guidelines for nation's electric utilities, CE:Feb 65:80

Hydraulic Studies of Large Penstock Trifurcation, John S. Gladwell and E. Roy Tinney, POI:May 65:50:4334

Hydroelectric Developments in the Scottish Highlands, Asit K. Biswas, POI:May 65:23:4318

Interest on Capital Invested in Construction, J. F. Muir and Eugen Ruus, POI:Sept 63:1:3622

TR:130:635

Latest Developments in Transporting Coal By Rail, Richard N. Bergstrom and Kenneth W. Hamming, POI:May 65:81:4338

Short Span Sag Calculations with Insulator Bells, Thomas E. Leland, POI:May 65:11:4317

Virginia--Towers for a 500-kv Transmission Line, S. D. Alpert and J. D. Shaw, CE:Feb 65:52

POWER PLANTS

California--So. Calif. Edison plans huge power plant on the Colorado, CE:Mar 65:85

Has Nuclear Power Become Competitive?, R. N. Bergstrom, CE:Feb 65:32

Hydraulic Downpull on Ice Harbor Powerhouse Gate, Peter M. Smith, HY3:May 64:193:3903

TR:130:574

The Composition of the Engineering Profession, William H. Wisely, CE:Jun 64:33
 TR:130:533

PRECAST CONCRETE

Pier Extension and Repair at Tallmans Island Sewage Treatment Plant at College Point, Remig A. Papp, CE:Jul 64:48

TR:130:306

Precast Segmental Construction for Long-span Bridges, Ben C. Gerwick, CE:Jan 64:43

TR:130:44

Precast T's and Slabs Make Culverts Quickly, John F. Lenard, CE:Oct 64:64

TR:130:431

Test of a Ferro-Cemento Precast Folded Plate, Tekal Vishwanath, Ramkrishna P. Mhatre, and Kaveti Seetharamulu, ST6:Dec 65:239:4583

Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum, T. Y. Lin and Ben W. Young, CE:Jul 65:56

PRECIPITATION

Weather Modifications, University of Wyoming, Merlin C. Williams, HY1:Jan 65:93:4203

PRESSURE GAGES

Lateral Pressure of Concrete on Formwork, R. L. Peurifoy, CE:Dec 65:60

Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541

PRESTRESSED CONCRETE

Analysis of Folded Plate Structures, George G. Goble, ST1:Feb 64:93:3797

TR:130:387

Design of Prestressed Concrete Buildings for Earthquake Resistance, T. Y. Lin, ST5:Oct 65:1:4488

Expanding a Prestressed Concrete Plant, George Laszlo, CE:Apr 65:42

Post-tensioned Viaduct Piers, Edward P. Keiner, Jr., CE:Jan 65:72

Prestressed Concrete Institute names 10 projects in 1965 Awards Program, CE:Aug 65:104

The Additional Cooper River Bridge, Frederick H. Sterbenz, CE:Oct 64:41

TR:130:513

Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum, T. Y. Lin and Ben W. Young, CE:Jul 65:56

PRESTRESSING

Buckling of a Prestressed Circular Ring, John E. Goldberg and John L. Bogdanoff, ST4:Aug 64:235:4018

TR:130:767

Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5:Oct 65:255:4518

Prestressed Anchorage for Large Tainter Gate, Andrew Eberhardt and Jan A. Veltrop, ST6:Dec 64:123:4170

TR:130:757

PRESTRESSING Continued

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

PROBABILITY THEORY

Irregular Wave Forces on a Pile, Willard J. Pierson, Jr. and Patrick Holmes, WW4:Nov 65:1:4528

Validity of a Stochastic Model for Predicting Subsidence, Arnold L. Sweet, EM6:111:4573

PROFESSIONAL ADVANCEMENT

A Civil Engineer--and Proud of It, Wallace L. Chadwick, CE:Jan 65:37

A Design for the Future, Wallace L. Chadwick, CE:Jun 65:36

An Awareness of Reality, Bruce G. Johnston, CE:Jan 65:58

Can the Civil Engineer be a Manager?, H. L. Payne, CE:Jul 64:51

Dsc: R. B. Shaeffer, CE:Sep 64:69; H. L. Thackwell, CE:Oct 64:66; Douglas L. Jonas, CE:Jan 65:84

TR:130:293
Continuing Education, William H. Wisely, CE:Feb 65:31

Professional Development, the Younger Viewpoint (Symposium); In Public Practice, Victor F. Jelen, CE:Apr 64:54; In Private Practice, Harold L. Loyd, CE:Apr 64:55; In Teaching, Russel C. Jones, CE:Apr 64:56; In Industry, Richard M. Shute, CE:Apr 64:56

TR:130:283
Profile of a Successful Career, William H. Wisely, CE:May 64:47

Dsc: Roger H. Gilman, CE:Jul 64:70; Joseph P. Lawlor, CE:Jul 64:70; Charles A. Manganaro, CE:Jul 64:70

TR:130:129
The Scope of Civil Engineering, Charles L. Miller, CE:Aug 64:73

TR:130:385
Using Engineering to Enslave You, Adolph J. Ackerman, CE:Jul 64:67

Dsc: Alan R. Chandler, CE:Sep 64:69; Allan C. Tedrow, CE:Sep 64:69; Archie Mathews, CE:Sep 64:69; Alfred R. Golze, CE:Oct 64:66; Leon D. Luck, CE:Oct 64:67; Alfred Ogram, CE:Nov 64:73

TR:130:340
You and Your Local Section, W. L. Chadwick, CE:Apr 65:37

PROFESSIONAL PRACTICE

A Critique of Engineering Education, Dabney S. Craddock, III, PP2:Sep 65:7:4461

American Society of Civil Engineers Policy on the Registration of Engineers, and Position Paper with Respect to the Model Law: Report by the Committee on Registration of Engineers, ASCE, Edward E. Bigelow, Chmn, PP2:Sep 65:11:4460

Civil Engineering Education That Is, Chester A. Moore, PP2:Sep 65:49:4478

Stress Analysis of Prestressed Suspended Roofs, Avinadav Siev and J. Eidelman, ST4:Aug 64:103:4008

TR:130:518

Consulting Engineering in Foreign Countries, E. Montford Fucik, PP1:Jan 64:37:3760

TR:130:21

Current Problems in Property Location, Ira M. Tillotson and Charles E. Snyder, SU2:Sep 65:1:4465

Digital Computers and Environmental Control, Gordon P. Fisher and Walter R. Lynn, PP1:Jan 64:15:3749

TR:130:334

Education for Sanitary Engineers, E. Sherman Chase, PP2:May 64:15:3894

TR:130:801

Effect of the Space Age on the Engineering Profession, R. W. Johnson, PP1:Jan 64:1:3747

TR:130:247

Engineering for Marine Exploration and Development, Edward Wenk, Jr., PP2:Sep 65:35:4466

Ethics and Municipal Engineers in Private Practice, Francis Pandullo, PP2:Sep 65:1:4455
Factors Considered in Urban Transportation Planning, Charles G. Beer, HW2:Dec 65:51:4582
Financing Urban Transportation, T. R. Todd and Robley Winfrey, HW2:Dec 65:89:4586
Interdisciplinary Education for Urban Planning, Harold L. Michael, PP1:Jan 64:29:3751

TR:130:797

Professional Development-The Student's Responsibility, James R. Wright, PP1:Jan 64:9:3748

TR:130:793

Role of the 'Calculated Risk' in Earthwork and Foundation Engineering, Arthur Casagrande, SM4:Jul 65:1:4390

Some Ethical Implications of Professional Planning, James M. Abernathy, PP2:May 64:23:3896

TR:130:803

Starting a Consulting Business, Joseph S.

Ward, CE:Jan 64:48

Dsc: Ralph W. Seidensticker, CE:Mar 64:74;

Gene M. Nordby, CE:Apr 64:66

TR:130:7

Teaching Engineering Attitude to Students,

Malcolm S. Gregory, PP1:Jan 65:1:4189

PROFILES

Electric Controls for Laying Smooth Pavements, R. L. Peurifoy, CE:Sep 65:56

Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6:Nov 65:37:4532

PROTECTIVE COATINGS

New York--Linseed-Oil Protection for New York State Thruway Bridges, Robert J. Walsh, CE:Jul 65:39

Understanding and Controlling Corrosion, Harry Neugold, Jr., CE:Mar 65:57

Dsc: R. E. Bald, CE:May 65:74

PUBLICATIONS

ASTM to publish Journal of Materials, starting April 1966, CE:Nov 65:116

Books for leisure reading reviewed, CE:Sep 65:87

Handbook on bridge design available from U.S. Steel, CE:Nov 65:116

PUBLICATIONS Continued

- Preliminary report on goals of engineering education available from American Society for Engineering Education. CE:Nov 65:103
- Proceedings of 3rd Conference on Fundamental Research in Plain Concrete in Sept. 1964 are available. CE:Oct 65:99
- Proceedings of International Symposium on Flexural Mechanics of Reinforced Concrete available. CE:Nov 65:101
- Proceedings of International Symposium on Water Desalination available. CE:Dec 65:87
- Transactions of 14th Sectional Meeting of World Power Conference in Sept. 1964 available. CE:Oct 65:98
- Two books on bridges reviewed. CE:Dec 65:88

PUBLIC HEALTH

- Air Pollution Control in New York State, Alexander Rihn, CE:Feb 64:56
- TR:130:89
- Control of Obnoxious Aquatic Plants in the Southeast, Otis M. Jernigan, Angelo Tabita, and William E. Wunderlich, WW4:Nov 65:31:4536
- Water Resources Problems Generated by Obnoxious Plants, Francis J. Guscio, Thomas R. Bartley, and Arthur N. Beck, WW4:Nov 65:47:4537

PUBLIC RELATIONS

- Film on construction and importance of general contractor released. CE:Nov 65:116

PUMPING

- Efficiency of Pumping from Small Circular Sumps, Ali M. Shahroody and John R. Davis, IRI:Mar 64:1:3817
- TR:130:339
- Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579
- Pumping Test to Determine Permeability Ratio, Charles I. Mansur and Rudy J. Dietrich, SM4:Jul 65:151:4415
- Water-Hammer Charts for Centrifugal Pumps Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

PUMPS

- Efficiency of Pumping from Small Circular Sumps, Ali M. Shahroody and John R. Davis, IRI:Mar 64:1:3817
- TR:130:339
- Hydraulic Design of Pump Intakes, Ralph T. Hattersley, HY2:Mar 65:223:4276
- Hydraulic Performance Comparison of Centrifugal Pumps, Michael J. Suess, HY2:Mar 65: Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579
- The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15:3523
- TR:130:471
- Waterhammer Analysis of Pipelines, Victor L. Streeter, HY4:Jul 64:151:3974
- TR:130:591
- Water Jet Pump, N.H.G. Mueller, HY3:May 64:83:3908
- TR:130:311

PURIFICATION

- Role of Protozoa in the Diphasic Excretion of BOD, Manmohan N. Bhatia and Anthony F. Gaudy, Jr., SA3:Jun 65:63:4371

QUALITY CONTROL

- Dsc, Allen G. Poppino, CE:Nov 65:99, on ASCE leadership in quality control
- Florida--Liaison Insures Quality Control for Vehicle Assembly Building at Cape Kennedy, Charles I. Orr, CE:Oct 65:56
- Dsc, A. J. Julicher, CE:Dec 65:72, of Oct Quality Control issue

RADAR

- Arecibo Radar-Radio Telescope--Design and Construction, Thomas C. Kavanagh and David H.H. Tung, CO1:May 65:69:4323

RADIO

- Australia--U.S. Navy awards contract for communication station at North West Cape. CE:Jun 65:93

RADIOACTIVITY

- Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733
- TR:130:41
- Heat Generation by Radioactive Wastes, Earnest F. Gloyne, H.J. Longley, and C.W. Christenson, SA1:Feb 64:43:3793
- TR:130:636

RAILROADS

- Australia--U.S. firm to design railway. CE:Mar 65:83
- Connecticut--Viaducts for Interstate 91 cross New Haven Railroad tracks. CE:Dec 65:87
- Latest Developments in Transporting Coal by Rail, Richard N. Bergsgrom and Kenneth W. Hamming, PO1:May 65:81:4338
- President urges high-speed rail line between Boston and Washington. CE:Apr 65:96
- Super-speed trains proposed by Budd Co. for Boston-Washington route. CE:Aug 65:102
- The Amazing Pennsylvania Canals (and Portage Railroad), W.H. Shank, CE:Jan 65:66
- The Performance of Casing Pipes Under Railroads and Highways: Report of the Research Council on Pipeline Crossings of Railroads and Highways, ASCE, J.E. Thompson, Chmn, PL1:Jul 65:39:4419

RAINFALL

- Analysis of Precipitation at Huntington Lake, Stanley M. Barnes, IRI:Mar 64:77:3839
- TR:130:469
- County Rain-Gage Network Useful in Design, Alfred R. Pagan and Ronald Rothenberg, CE:Apr 65:68
- Cycles in Hydrologic Data, J.R. Crippen, CE:Jan 65:70
- Dsc: Gordon R. Williams, CE:Mar 65:62

RAINFALL Continued

Effective Rainfall and Irrigation Water Requirements, David M. Hershfield, IR2:Jun 64:33:3920
TR:130:741

Irrigation Water Requirements of Lawns, Tyler H. Quackenbush and John T. Phelan, IR2:Jun 65:11:4350

Ratio of True to Fixed-Interval Maximum Rainfall, Leonard L. Weiss, HY1:Jan 64:77:3758
TR:130:66

Sequential Generation of Rainfall and Runoff Data, Ven Te Chow and S. Ramaseshan, HY4:Jul 65:205:4416

Steady Drainage of Two-Layered Soil, Gedeon Dagan, IR3:Sep 65:51:4474

Tacitly Maximized Small Watershed Flood Estimates, Brian M. Reich and Lourens A.V. Hiemstra, HY3:May 65:217:4339

Weather Modification, Richard A. Schleusener, HY1:Jan 64:57:3756

TR:130:199

RAPID TRANSIT

Airports and Transit Systems--the Engineer's Challenge, J. K. Carr, CE:Apr 65:38

Dsc: Herbert C. Westfall, CE:Jun 65:72

California--Rapid-Transit Test Track for San Francisco, Leslie A. Irvin, CE:Aug 65:48

California--Under-water tube under construction for BARTD, CE:Oct 65:103

Dsc: Arthur J. Wolf, CE:Dec 65:72, on the expanding field of rapid transit engineering

Designing the San Francisco Bay Area Rapid Transit System, William A. Bugge, Leslie Irvin, CE:Oct 64:58

Dsc: W. A. Bugge, CE:Jan 65:83

TR:130:559

Jackson, Miss. in 2039 A.D., CE:Apr 65:59

Dsc: George C. Stewart, CE:Jul 65:75

Meeting Future Surface Transportation Needs, Marshall F. Reed, Jr., HW2:Dec 65:27:4571

Rapid transit concept takes form at U.S. Steel, CE:Oct 65:104

Super-speed trains proposed by Budd Co. for Boston-Washington route, CE:Aug 65:102

The Netherlands--Rotterdam's Rapid Transit Tunnel, Ir G. Plantema, CE:Aug 65:34

Underground tube urged for high-speed North-east travel, CE:Sep 65:86

User Criteria for Rapid Transit Planning, Paul J. Claffey, UP1:Sep 64:5:4029

TR:130:360

REACTORS

Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733

TR:130:41

RECLAMATION

Engineering Aspects of the Reclamation of Sodic Soils with High-Salt Waters, E.J. Doering and R.C. Reeve, IR4:Dec 65:59:4588

Forest Drainage Research in the Coastal Plain, Ralph A. Klawitter and Cortland E. Young, Jr., IR3:Sep 65:1:4456

RECREATIONAL FACILITIES

A Lake's Response to Its Environment, Robert O. Sylvester and George C. Anderson, SA1:Feb 64:1:3786

TR:130:11

Evaluation of Recreation in Water Developments, William M. White, PO1:May 65:1:4306

How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690

TR:130:641

Sedimentation Aspects in Recreation Planning, Donald C. Bondurant and Robert H. Livesey, HY5:Sep 65:51:4473

Utah--A National Forest at Vernal Goes Modern, D.G. Dalley, CE:Sep 65:67

See also Marinas

REFUSE DISPOSAL

Simulation and Analyses of a Refuse Collection System, Jimmie E. Quon, Abraham Charnes, and Stephen J. Wersan, SA5:Oct 65:17:4491

REGIONAL PLANNING

Metropolitan Transportation Problem, Harland Bartholomew, UP1:Jul 65:7:4391

REGISTRATION

American Society of Civil Engineers Policy on the Registration of Engineers, and Position Paper with Respect to the Model Law: Report by the Committee on Registration of Engineers, ASCE, Edward E. Bigelow, Chmn, PP2:Sep 65:11:4460

Corporate practice provisions of model law revised by National Council of State Boards of Engineering Examiners, CE:Oct 65:98

The Dilemma of the Professional Engineers' Licensing Program, Arthur W. Weber, CE:May 65:37

Dsc: Thornton Smith, CE:Sep 65:74

See also (ASCE) Registration of Engineers

REGULATIONS

Environmental Effects of Flood Plain Regulations, Eugene W. Weber and Walter G. Sutton, HY4:Jul 65:59:4402

REINFORCED CONCRETE

Concrete Reinforcing Steel Institute holds annual convention, June 16-18, CE:Sep 65:86

Concrete Reinforcing Steel Institute issues Design Handbook, Vol. II, CE:Jul 65:85

Deflections of Multiple-Panel Reinforced Concrete Floor Slabs, Mortimer D. Vanderbilt, Mete A. Sozen, and Chester P. Siess, ST4:Aug 65:77:4439

Error Statistics for Reinforced Concrete Beams, Theodore Zsutty, ST6:Dec 63:235:3732

TR:130:158

Gravity Flow Reinforced Concrete Pipe Design, Howard F. Peckworth and John G. Hendrickson, PL1:Jan 64:33:3771

TR:130:584

REINFORCED CONCRETE Continued

- Limit Design of Reinforced Concrete Slabs, Robert E. Crawford, EM5:Oct 64:321:4105
TR:130:768
- Masonry Walls on Continuous Beams, Saky Rosenhaupt and Yehuda Sakal, ST1:Feb 65:155:4226
- Pier Extension and Repair at Tallmans Island Sewage Treatment Plant at College Point, Remig A. Papp, CE:Jul 64:48
TR:130:306
- Pressure Testing of Thick Reinforced Concrete Cell, Stanley H. Fistedis, ST2:Apr 64:31:3860
TR:130:324
- Proceedings of International Symposium on Flexural Mechanics of Reinforced Concrete available, CE:Nov 65:101
- Regression Analysis of Reinforced Concrete Columns, Hareesh C. Shah, ST1:Feb 64:37:3785
TR:130:345
- Slipforming a Chimney 450 Ft High in Nottingham, Ole Wewer, CE:Dec 64:74
TR:130:739
- Temperature Stresses in Tall Reinforced Concrete Buildings, Paul Weidinger, CE:Aug 64:58
Dsc: Daniel Dicker, CE:Nov 64:73
TR:130:377
- Test of a Reinforced Concrete Flat Plate, David S. Hatcher, Mete A. Sozen, and Chester P. Sless, ST5:Oct 65:205:4514

REINFORCEMENT

- AISI issues booklet on high-strength reinforcing bars, CE:Apr 65:97
- Reinforcement Requirements for Girder Web Openings, Edmund P. Segner, Jr., ST3:Jun 64:147:3919
TR:130:645
- Reinforcing for a Rectangular Opening in a Plate, Robert R. Snell and Marion B. Scott, ST4:Aug 65:169:4451

REPORTS

- Criteria for Acceptability of Papers: Report of the Committee on Publications of the Soil Mechanics and Foundations Division, ASCE, R.V. Whitman, Chmn, SM3:May 65:51:4326
- Factors Influencing Flow in Large Conduits: Report of the Task Force on Flow in Large Conduits of the Committee on Hydraulic Structures, ASCE, Frederic L. Lawton, Chmn, HY6:Nov 65:123:4543
- Landing Area Facilities: Progress Report of the Committee on Landing Area Facilities, ASCE, John Vreeling, Chmn, AT2:Oct 65:57:4503
- Parametric Hydrology and Stochastic Hydrology: Report of the Committee on Surface Water Hydrology, ASCE, Walter Hofmann, Chmn, HY6:Nov 65:119:4539
- Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:251:4260
- Sediment Transportation Mechanics: Wind Erosion and Transportation: Progress Report by the Task Committee on Preparation of Sedi-

mentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:267:4261

Survey of Current Structural Research: Progress Report of the Committee on Research, ASCE, John D. Haltiwanger, Chmn, ST1:Feb 65:13:4233

Translations of Foreign Literature on Hydraulics: Seventh Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics, ASCE, Jan C. Van Tienhoven, Chmn, HY2:Mar 65:27:4245

RESEARCH

- Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
TR:130:498
- Computer System Designed for Teaching and Structural Research at MIT, William Little and Kenneth Reinschmidt, CE:Aug 65:71
- Current Lunar Soil Research, James K. Mitchell, SM3:May 64:53:3898
TR:130:390
- Factors Considered in Urban Transportation Planning, Charles G. Beer, HW2:Dec 65:51:4582
- Forest Drainage Research in the Coastal Plain, Ralph A. Klawitter and Cortland E. Young, Jr., IR3:Sep 65:1:4456
- How to Plan an Inconsequential Research Project, Morris B. Ettinger, SA4:Aug 65:19:4437
- Northeastern states to coordinate water resources research, CE:Nov 65:116
- Practical Results of Hydraulics Research: Hydraulics Division Committee on Research Reports, Harold M. Martin, Chmn, CE:Aug 64:38
TR:130:347
- Report on Engineering Foundation's Research Conference on Urban Transportation, Aug. 26-30, 1963, CE:Apr 64:34
TR:130:201
- Research Needs in Surface-Water Hydrology: Report of the Committee on Surface-Water Hydrology, ASCE, Victor A. Koelzer, Chmn, HY1:Jan 65:75:4201
- Survey of Current Structural Research: Progress Report of the Committee on Research, ASCE, John D. Haltiwanger, Chmn, ST1:Feb 65:13:4233
- The Performance of Casing Pipes Under Railroads and Highways: Report of the Research Council on Pipeline Crossings of Railroads and Highways, ASCE, J.E. Thompson, Chmn, Jul 65:39:4419
- Weather Modification, Richard A. Schleusener, HY1:Jan 64:57:3756
TR:130:199
- Weather Modifications, University of Wyoming, Merlin C. Williams, HY1:Jan 65:93:4203

RESERVOIRS

- Baldwin Hills Dam Failure, Walter E. Jessup, CE:Feb 64:62
- Dsc: Paul Baumann, CE:Apr 64:66; Alfred R. Golze, Apr 64:66
TR:130:137
- Determining Bank Storage of Lake Mead, Paul A. Rechard, IR1:Mar 65:141:4268

RESERVOIRS Continued

- Egypt--Salvaging Abu Simbel Temple gets under way, CE:Apr 65:96
- Hydroelectric Developments in the Scottish Highlands, Asit K. Biswas, PO1:May 65:23:4318
- Irrigation in India: Past and Present, Asit K. Biswas, IR1:Mar 65:179:4277
- Optimum Design of Multi-Purpose Reservoirs, Warren A. Hall, HY4:Jul 64:141:3972
- TR:130:762
- Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:Dec 63:7:3714
- TR:130:446
- Underwater Inspection of Test Fill in Gatun Lake for Dam to Serve Panama Canal, Anthony P. Mann, CE:May 64:31
- TR:130:241
- Vaiont Reservoir Disaster, George A. Kiersch, CE:Mar 64:32
- Dsc: G.E.H. Ballard, CE:Jul 64:70; Author's reply, CE:Jul 64:70; Carlo Berghinz, CE:Mar 65:63
- TR:130:155
- Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637
- TR:130:57

RETAINING WALLS

- Earth Pressures for Bilinear Backfill Surface, B. Satyanarayana, SM1:Jan 65:99:4209
- Minimum Base Lengths for Cantilever Retaining Walls, Semih Tezcan, CE:Oct 65:84
- Slope Stabilized by Anchored Retaining Wall, G.A. Reti, CE:Apr 64:49
- TR:130:216

REVETMENTS

- Cellular Concrete Block Revetment, D.A. Parsons and R.P. Apmann, CE:Feb 65:66
- Cellular Concrete Block Revetment, Donald A. Parsons and Robert P. Apmann, WW2:May 65:27:4311
- Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works, ASCE, Harvill E. Weller, Chmn, WW1:Feb 65:7:4236
- Influence of Soil Types on Stabilization of the Savannah River, William J. Wall, WW3:Aug 65:7:4430
- Stabilizing the Lower Mississippi River, Ellsworth I. Davis and Ernest B. Lipscomb, CE:Nov 65:64

RIVERS

- An Electric-Powered Vehicle for Large River Measurements, H.H. Stevens, Jr., and G.R. Dempster, Jr., CE:Jun 64:74
- TR:130:480
- Brazil--USBR releases report on Arguaia-Tocantins River basin, CE:Jun 65:90
- Foreshore Protection, Lower Mississippi River, Rudolf Hertzberg, WW2:May 65:1:4305
- How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690
- TR:130:641

Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29:3699

- TR:130:625
- Indus-Valley--West Pakistan's Life Line, Alexander Karpov, HY1:Jan 64:207:3774
- TR:130:509
- Mathematical Model for Transient River Flow, Eivind Kindingstad, HY3:May 64:23:3899
- TR:130:682
- Mississippi--Dsc. CE:May 65:74, of Do You Know That item on Mississippi River water levels, CE:Mar 65:29
- New York--Hudson River cleanup program started, CE:Jan 65:101
- Potential Evaporation and River Basin Evaporation, Fred I. Morton, HY6:Nov 63:67:4534
- River Flood Flows, Forecasts and Probabilities, Michael C. Quick, HY3:May 65:1:4312
- Stabilizing the Lower Mississippi River, Ellsworth I. Davis and Ernest B. Lipscomb, CE:Nov 65:64
- Tidal Characteristics of Two Estuaries in Florida, William B. Stelzenmuller, WW3:Aug 65:25:4431
- Total Bed Material Transport, Avery A. Bishop, Daryl B. Simons, and Everett V. Richardson, HY2:Mar 65:175:4266

RIVER THAMES

- British Grouting Practice on Granular Materials, William E. Perrott, SM6:Nov 65:57:4542

RIVETS

- Behavior of Fasteners and Plates with Holes, John W. Fisher, ST6:Dec 65:265:4587

ROCK (Material)

- Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Lavery and Klaus R. Ludwig, PO1:Sept 63:9:3642
- TR:130:416
- Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
- TR:130:271
- Interstitial Pressures on Rock Foundations of Dams, J. Laginha Serafim and Alejandro del Campo, SM5:Sep 65:65:4484

ROOFS

- Analysis Comparisons for Single Curved Shell Roofs, Paul E. Mast, ST2:Apr 65:1:4282
- Geometry of Suspended Cloth Roofs, Avinadav Siev, ST6:Dec 65:251:4585
- Paving Roof Decks and Industrial Floors, Lansing Tuttle, CE:Jul 64:58
- TR:130:301
- Post-Tensioned Shallow Roof Shells for Syracuse Schools, Walter E. Riley, CE:Jul 64:64
- TR:130:421
- Snow Loads for Roofs, Albert E. Anderson, CE:Jul 65:76
- Stress Analysis of Prestressed Suspended Roofs, Avinadav Siev and J. Eidelman, ST4:Aug 64:103:4008
- TR:130:518

ROOFS Continued

Utah--A National Forest at Vernal Goes Modern, D.G. Dalley, CE:Sep 65:67
See also Domes and Shells (Structural Forms)

RUNOFF

Hydrology of Spillway Design: Small Structures--Limited Data, Harold O. Ogrosky, HY3: May 64:295:3914

TR:130:367

Sequential Generation of Rainfall and Runoff Data, Ven Te Chow and S. Ramaseshan, HY4: Jul 65:205:4416

Tacitly Maximized Small Watershed Flood Estimates, Brian M. Reich and Lourens A.V. Hiemstra, HY3:May 65:217:4339

SAFETY

Aircraft Arresting System, Francis J. Rhody, AT2:Oct 65:45:4493

Electronic Guidance for Highway Safety, John J. O'Mara, CE:Oct 64:38

TR:130:519

Error Statistics for Reinforced Concrete Beams, Theodore Zsutty, ST6:Dec 63:235:3732
TR:130:158

SALARIES

Engineering Manpower Commission of EJC reports salaries, 1962-1964, CE:Feb 65:44

EJC reports that engineering faculty salaries increase CE:Sep 65:44

Fringe Benefits in Civil Engineering Compensation, Clair A. Hill, CE:July 65:64

SAND (Material)

Dissipation of Elastic Wave Energy in Granular Soils, J.R. Hall, Jr., and F.E. Richart, Jr., SM6:Nov 63:27:3698

TR:130:663

Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631

TR:130:474

Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541
Sand Transport Studies with Radioactive Tracers, D.W. Hubbell and William W. Sayre, HY3:May 64:39:3900

TR:130:619

Shock-Induced Stress Wave Propagation in Sand, Ernest T. Selig and Eben Vey, SM3: May 65:19:4332

Stabilization of Sand Dunes at Vandenberg Air Force Base, John Peters and Joe Sciandrone, SM4:Jul 64:97:3976

TR:130:344

The Nature of Damping in Sands, Bobby O. Hardin, SM1:Jan 65:63:4206

SANITARY ENGINEERING

Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733

TR:130:41

Air Pollution Control in New York State, Alexander Rihm, CE:Feb 64:56

TR:130:89

Air Pollution from Incinerators--Causes and Cures, Leo P. Flood, CE:Dec 65:44
A Lake's Response to Its Environment, Robert O. Sylvester and George C. Anderson, SA1:Feb 64:1:3786

TR:130:11

Alaska--Utilities for a Relocated Town in Valdez, James W. Poirot, CE:Mar 65:50
American Sanitary Engineering Intersociety Board elects officers, CE:Feb 65:45
Analysis of Sewage Treatment Systems by Simulation, M. Mead Montgomery and Walter R. Lynn, SA1:Feb 64:73:3807

TR:130:361

Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710

TR:130:258

An Oxidation Pond as a Tertiary Treatment Device, Raymond C. Loehr and Ralph L. Stephenson, SA3:Jun 65:31:4351
Application of Acoustics in Air Pollution Problems, Joseph C.F. Chow, SA4:Aug 64:59:4005

TR:130:624

Arkansas--Sludge Burning at North Little Rock, Arnold J. Tyer, CE:Mar 65:54
ASCE Manual No. 37, Practice of Design and Construction of Sanitary and Storm Sewers, reviewed by joint committee, CE:Jan 65:39
ASCE Sanitary Division sponsors symposium on Research, Development and Design, CE: Apr 65:83

California--Los Angeles ASCE Local Section reports on the detergent problem, CE:May 65: 46

Closed Ecological Systems, William J. Oswald, Clarence G. Golueke, and D.O. Horning, SA4: Aug 65:23:4445

Colorado--Denver's Metro Waste Treatment Plant, William L. Bredar, CE:Dec 65:64
Compartmentalization of Aeration Tanks, William F. Milbury, Wesley O. Pipes, and Robert B. Grieves, SA3:Jun 65:45:4362

Complete Mixing of Activated Sludge--Something for Nothing, Ross E. McKinney, CE:Sep 64:48

TR:130:413

Conference of State Sanitary Engineers releases report on municipal waste treatment needs, CE:Sep 65:89

Dispersion Measurement in Open Channels, Calvin C. Patterson and Earnest F. Gloyne, SA3:Jun 65:17:4347

Education for Sanitary Engineers, E. Sherman Chase, PP2:May 64:15:3894

TR:130:801

Effect of Benthic Algae on Stream Dissolved Oxygen, Richard L. O'Connell and Nelson A. Thomas, SA3:Jun 65:1:4345

Environmental Behavior of Nuclear Debris, Conrad P. Straub, Melvin W. Carter, and Dade W. Moeller, SA6:Dec 64:25:4159

TR:130:764

Environmental Hazards of Radioactive Wastes, Joe O. Ledbetter, SA1:Feb 65:59:4237

SANITARY ENGINEERING Continued

Epoxy-Lined Pipe Reduces Cost of San Buenaventura Truck Sewer, Alvin J. Hotz, Jr., CE: Sep 64:64

TR:130:501

Equilibria and Capacities for Adsorption on Carbon, Walter J. Weber, Jr. and J. Carrell Morris, SA3:Jun 64:79:3952

TR:130:525

Estuarine Distribution of Nonconservative Substances, Donald J. O'Connor, SA1:Feb 65:23:4225

Evaluation of Hydraulic Efficiency of Sedimentation Basins, M. Rebhun and Y. Argaman, SA5:Oct 65:37:4523

Evaluation of Two Aerated Lagoons, Ross E. McKinney and Henry H. Benjes, Jr., SA6: Dec 65:43:4589

Field Estimates of Oxygen Balance Parameters, Thomas R. Camp, SA5:Oct 65:1:4485

Filtration Through Size-Graded Media, Ernest W. J. Diaper and Kenneth J. Ives, SA3:Jun 65: 89:4378

Heat Generation by Radioactive Wastes, Earnest F. Gloyna, H. J. Longley, and C. W. Christenson, SA1:Feb 64:43:3793

TR:130:636

Hog Waste Disposal by Lagooning, Charles E. Clark, SA6:Dec 65:27:4567

Horizontal Jets in Stagnant Fluid of Ohter Density, Gerrit Abraham, HY4:Jul 65:139:4411

How to Plan an Inconsequential Research Project, Morris B. Ettinger, SA4:Aug 65:19:4437

Intensity of Radiation and Rate Sludge Drying, Jimmie E. Quon and Thomas A. Tamblyn, SA2: Apr 65:17:4295

Kinetics of Aerobic Removal of Organic Wastes, K. Keshavan, V. C. Behn, and W. F. Ames, SA1: Feb 64:99:3808

TR:130:770

Life Support Requirements for Space Missions, Charles M. Proctor, SA2:Apr 65:1:4288

Low Pressure Air Test for Sanitary Sewers, Roy E. Ramseier and George C. Riek, SA2:Apr 64:1:3883

TR:130:677

Machine Tunneling For Storm Sewer Under Houston, W. D. Murphy, CE:Sep 64:44

TR:130:393

Metropolitan Drainage Planning in Los Angeles County, M. E. Salsbury, SA6:Dec 63:37:3739

TR:130:209

Minimal Solids Aeration Activated Sludge, M. W. Tenney, R. H. Johnson, Jr., and J. M. Symons, SA1:Feb 64:23:3790

TR:130:705

Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE: Sep 65:39

Nutrient Removal by Effluent Spraying, Herbert B. Foster, Jr., Paul C. Ward, and Arnold A. Prucha, SA6:Dec 65:1:4556

Population Forecasting by Sanitary Engineers, Frederick E. McKunkin, SA4:Aug 64:31:3993

TR:130:782

Predictive Techniques for Water Quality-Inorganics, Joe E. Ledbetter and Earnest F. Gloyna, SA1:Feb 64:127:3810

TR:130:193

Research on Variables Affecting Filtration, Kenneth J. Ives and Ihsan Sholji, SA4:Aug 65:1: 4436

Role of Protozoa in the Diphasic Exertion of BOD, Manmohan N. Bhatia and Anthony F. Gaudy, Jr., SA3:Jun 65:63:4371

Sanitary Engineering Committee on Solid Wastes supports action by House Subcommittee on Public Health and Welfare, CE:Aug 65:95

Sanitary Engineering in Alaska, Amos J. Alter, CE:Mar 64:48

Dsc: Neil L. Drobny, CE:May 64:62

TR:130:145

Sewage Lagoons and Man's Environment, Jerome H. Svore, CE:Sep 64:54

TR:130:409

Simulation and Analyses of a Refuse Collection System, Jimmie E. Quon, Abraham Charnes, and Stephen J. Wersan, SA5:Oct 65:17:4491

Turbulent Mixing Phenomena of Ocean Outfalls, Richard J. Frankel and James D. Cumming, SA2:Apr 65:33:4297

Washington--Seattle's Record-Breaking Sewage-Treatment System, Fred E. Lange, CE:Mar 65:31

Waste Disposal and the Future at Lake Tahoe, Harvey F. Ludwig, E. Kazmierczak, and Ralf C. Carter, SA3:Jun 64:27:3947

TR:130:229

Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602

TR:130:563

Water Renovation--Some Advanced Treatment Processes, David G. Stephan, CE: Sep 65:46

Whittier Narrows Water Reclamation Plant, John D. Parkhurst and Walter E. Garrison, CE:Sep 64:60

TR:130:499

Water for the World, M. D. Morris, William E. Wood, James J. Geraghty, James Gould, Gordon R. Williams, Donald F. Othmer, Donald Water Purification by Forced-Flow Electrophoresis, Fredrick C. Cooper, Quentin M. Mees, and Milan Bler, SA6:Dec 65:13:4557

R. Lueder, Malcolm Pirnie, Jr., and Arthur C. Ford, SA1:Feb 65:1:4220

SCHOLARSHIPS

Freeman Fellowship awarded to associate professor at Colorado State University, CE: Sep 65:45

SCHOOLS

New York--City College of New York major campus expansion, CE:Mar 65:87

New York--Contract awarded for West Point expansion, CE:Dec 65:88

New York--Large contract let for Albany campus of N. Y. State University, CE:Apr 65: 99

Post-Tensioned Shallow Roof Shells for Syracuse Schools, Walter E. Riley, CE:Jul 64:64

SCHOOLS Continued

Prestressed Lift Slabs Withstand Fire,
G.E. Troxell, CE:Sep 65:64

SCOTLAND

Hydroelectric Developments in the Scottish
Highlands, Asit K. Biswas, PO1:May 65:23:4318
TR:130:421

Second Order Equation for BOD, James C.
Young and John W. Clark, SA1:Feb 65:43:4232

SEDIMENTATION

Accelerated Motion of a Sphere in a Viscous
Fluid, Lucien M. Brush, Hau-Wong Ho and Ben-
Chie Yen, HY1:Jan 64:149:3764

TR:130:541

Calculation of Nonuniform Sediment Concentra-
tions, I.V. Egiazoroff, HY4:Jul 65:225:4417

Channel Gradients Above Gully-Control Struc-
tures, David A. Woolhiser and Arno T. Lenz,
HY3:May 65:165:4333

European Concepts of Sediment Transportation,
John L. Bogardi, HY1:Jan 65:29:4195

Evaluation of Hydraulic Efficiency of Sedimen-
tation Basins, M. Rebhun and Y. Argaman, SA5:
Oct 65:37:4523

Practical Computations of Bed-Material Dis-
charge, Bruce R. Colby, HY2:Mar 64:217:3843

TR:130:383

Sedimentation Aspects in Recreation Planning,
Donald C. Bondurant and Robert H. Livesey,
HY5:Sep 65:51:4473

Sediment Investigations—Middle Rio Grande,
Ernest L. Pemberton, HY2:Mar 64:163:3833

TR:130:187

Sediment Transportation Mechanics: Nature of
Sedimentation Problems: Progress Report by the
Task Committee on Preparation of Sedimentation
Manual, ASCE, Vito A. Anoní, Chmn, HY2:
Mar 65:251:4260

Stability of Channels by Armorplating, Daseil
E. Hallmark and George L. Smith, WW3:Aug 65:
117:4452

Study of Channel Erosion and Sediment Trans-
port, Carl F. Nordin, Jr., HY4:Jul 64:173:3984

TR:130:277

SEDIMENTS

Calculation of Nonuniform Sediment Concentra-
tions, I.V. Egiazoroff, HY4:Jul 65:225:4417

Control Structures for Sand-Bed Channels,
Frederick C. Stepanich, Daryl B. Simons, and
Everett V. Richardson, WW2:May 64:1:3895

TR:130:485

Development of a Solid-Liquid Flow Meter,
Norbert L. Ackerman and Chaleo Niyomthai,
HY2:Mar 64:121:3829

TR:130:381

An Electric-Powered Vehicle for Large River
Measurements, H.H. Stevens, Jr., and G.R.
Dempster, Jr., CE:Jun 64:74

TR:130:480

Erosion and Deposition of Cohesive Soils,
Emmanuel Partheniades, HY1:Jan 65:105:4204

European Concepts of Sediment Transportation,
John L. Bogardi, HY1:Jan 65:29:4195

Sand Transport Studies with Radioactive Trac-
ers, D.W. Hubbell and William W. Sayre, HY3:
May 64:39:3900

TR:130:619

Sediment Transportation Mechanics: Wind
Erosion and Transportation: Progress Report by
the Task Committee on Preparation of Sedimen-
tation Manual, ASCE, Vito A. Vanoni, Chmn,
HY2:Mar 65:267:4261

Sediment Transport in Supercritical Flow,
Ralph W. Ansley, HY6:Nov 65:57:4533

Study of Sediment Ripple Formation, A.J.
Raudkivi, HY6:Nov 63:15:3692

TR:130:110

Total Bed Material Transport, Avery A.
Bishop, Daryl B. Simons, and Everett V.
Richardson, HY2:Mar 65:175:4266

SEEPAGE

Auxiliary Potential Function for Seepage, Bruce
B. Schimming and Robert L. Kondner, IR2:Jun
64:21:3930

TR:130:769

Domain Variations in Channel Seepage Flow,
Hubert J. Morel-Seytoux, HY2:Mar 64:55:3822

TR:130:176

Exact Free Surface of Gravity Wells, Abdel-
Aziz I. Kashef, HY4:Jul 65:167:4413

Natural Drainage of River Valleys, Hammad
Y. Hammad, IR2:Jun 65:39:4360

North Carolina—Controlling Leakage from
Cowans Ford Dam, Joe T. Moore, CE:Jun 65:
52

Permeability of Compacted Clay, James K.
Mitchell, Don R. Hooper, and Richard G. Camp-
enella, SM4:Jul 65:41:4392

Plastic Surgery on Irrigation Areas, Kent S.
Ehrman, CO1:Mar 64:47:3837

TR:130:29

Seepage from Parallel Trapezoidal Channels,
Ahmed El Nimir, EM4:Aug 63:1:3582

TR:130:127

Steady Drainage of Two-Layered Soil, Gedeon
Dagan, IR3:Sep 65:51:4474

Theoretical Aspects of Seepage from Open
Channels, Herman Bouwer, HY3:May 65:37:4321

Two-Dimensional Infiltration and Wetting
Fronts, Sadik Toksoz, Don Kirkham and E.
Baumann, IR3:Sep 65:65:4477

SETTLEMENT (Structural)

Effect of Preconsolidation on Settlements, Leo
Casagrande, SM5:Sep 64:349:4041

TR:130:578

Fill Settlement Despite Vertical Sand Drains,
George F. Sowers, SM5:Sep 64:289:4044

TR:130:685

Foundations on Fissured Limestone—How
They Were Selected, Henry M. Reitz, CE:
Sep 65:52

Land Subsidence Problems, Raymond F.
Dawson, SU2:Jun 63:1:3531

TR:130:206

Precompression for Support of Shallow Founda-
tions, Harl P. Aldrich, Jr., SM2:Mar 65:5:4267

Settlement Analyses, A Review of Theory and
Testing Procedures, H. Bolton Seed, SM2:
Mar 65:39:4275

SETTLEMENT (Structural) Continued

Settlement Response Caused by Footing Groups, Raymond J. Krizek and Robert L. Kondner, SM5:Sep 64:269:4045

TR:130:659

Shallow Foundations, George G. Meyerhof, SM2:Mar 65:21:4271

State-of-the Art of Floating Foundations, Hugh Q. Golder, SM2:Mar 65:81:4278

Stress-Strain Modulus of Clay in Undrained Shear, Charles C. Ladd, SM5:Sep 64:103:4039

TR:130:589

Tolerance of Structures to Settlement, Jacob Feld, SM3:May 65:63:4336

Use of Surcharges in Highway Construction, William F. Kleiman, SM5:Sep 64:331:4048

TR:130:623

SEWAGE DISPOSAL

New York--Heat from Refuse Disposal for Desalination Plant at Hempstead, L.I., CE: Feb 64:85

Nutrient Removal by Effluent Spraying, Herbert B. Foster, Jr., Paul C. Ward, and Arnold A. Prucha, SA6:Dec 65:1:4556

Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602

TR:130:563

SEWAGE TREATMENT

Analysis of Sewage Treatment Systems by Simulation, M. Mead Montgomery and Walter R. Lynn, SA1:Feb 64:73:3807

TR:130:361

An Oxidation Pond as a Tertiary Treatment Device, Raymond C. Loehr and Ralph L. Stephenson, SA3:Jun 65:31:4351

Arkansas--Sludge Burning at North Little Rock, Arnold J. Tyer, CE:Mar 65:54

Better Activated Sludge by the Kessener-Brush Aeration Process, H.R. Carter, CE: Dec 65:67

Colorado--Denver's Metro Waste Treatment Plant, William L. Bredar, CE:Dec 65:64

Detergent field tests reported on at Industrial Waste Conference, CE:Jun 65:94

Evaluation of Two Aerated Lagoons, Ross E. McKinney and Henry H. Benjes, Jr., SA6: Dec 65:43:4589

Intensity of Radiation and Rate Sludge Drying, Jimmie E. Quon and Thomas A. Tamblin, SA2:Apr 65:17:4295

Minimal Solids Aeration Activated Sludge, M. W. Tenney, R.H. Johnson, Jr., and J.M. Symons, SA1:Feb 64:23:3790

TR:130:705

Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE:Sep 65:39

Sewage Lagoons and Man's Environment, Jerome H. Svore, CE:Sep 64:54

TR:130:409

Washington--Seattle's Record-Breaking Sewage-Treatment System, Fred E. Lange, CE:Mar 65:31

SEWERAGE

Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE:Sep 65:39

SEWERS

Epoxy-Lined Pipe Reduces Cost of San Buenaventura Truck Sewer, Alvin J. Hotz, Jr., CE: Sep 64:64

TR:130:501

Low Pressure Air Test for Sanitary Sewers, Roy E. Ramseier and George C. Riek, SA2:Apr 64:1:3883

TR:130:677

Machine Tunneling For Storm Sewer Under Houston, W.D. Murphy, CE:Sep 64:44

TR:130:393

Machine Tunneling in Chicago Clays, Robert S. Mayo, CE:Feb 64:60

TR:130:160

Massachusetts--New sewer line for the Boston area, CE:Mar 65:86

Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739

TR:130:209

New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE:Mar 65:34

Report of U. S. Public Health Service on separation of storm and sanitary sewers, CE:Feb 65:83

Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574

TR:130:299

SHEAR MODULUS

Problems of Off-Road Transportation, Louis J. Goodman and Ronald A. Liston, HW1:Jan 64:1: 3761

TR:130:53

SHEAR STRENGTH

Behavior of Fasteners and Plates with Holes, John W. Fisher, ST6:Dec 65:265:4587

Engineering Properties of Simulated Lunar Soils, Eben Vey and John D. Nelson, SM1: Jan 65:25:4199

In-Situ Strength Characteristics of Soft Clays, I. Noorany and H. Bolton Seed, SM2:Mar 65:49: 4274

Permeability of Compacted Clay, James K. Mitchell, Don R. Hooper, and Richard G. Campenella, SM4:Jul 65:41:4392

Shear Strength of High-Strength Bolts, James J. Wallaert and John W. Fisher, ST3:Jun 65:99: 4368

Stability of Slopes in Anisotropic Soils, Kwan Yee Lo, SM4:Jul 65:4405

Tilt and Deflections of Tapered Polygonal Towers, Ralph J. Pechunder, ST3:Jun 65:151: 4373

Welded Constructional Alloy Plate Girders, P.B. Cooper, H.S. Lew, and B.T. Yen, ST1: Feb 64:1:3784

TR:130:123

SHEAR STRESS

Analog Simulations of Earthquake Motions, Howard S. Ward, EM5:Oct 65:173:4522

SHEAR STRESS Continued

Development of Boundary Layers in Buckled Plates, Ernest F. Masur and C. H. Chang, EM2: Apr 64:33:3863

TR:130:67

Gravity Flow Reinforced Concrete Pipe Design, Howard F. Peckworth and John G. Hendrickson, PL1:Jan 64:33:3771

TR:130:584

Shear and Velocity Distribution in Shallow Channels, H. Lundgren and Ivar G. Jonsson, HY1:Jan 64:1:3752

TR:130:693

Shearing Resistance of Soils as a Rate Process, James K. Mitchell, SM1:Jan 64:29:3773

TR:130:369

Shear of Thin Plates with Flexible Edge Members, Eric R. Bryan and Wagih M. El-Dakhakhni, ST4:Aug 64:1:3991

TR:130:289

Shear Stress Pore Pressure in Triaxial Testing, G. E. Blight, SM6:Nov 65:25:4540

The Hydraulic Jump as a Wall Jet, Nallamuthu Rajaratnam, HY5:Sep 65:107:4482

Tilt and Deflections of Tapered Polygonal Towers, Ralph J. Pschunder, ST3:Jun 65:151:4373

Vibrational Transfer from Shear Buildings to Ground, Lydik S. Jacobsen, EM3:Jun 64:21:3924

TR:130:691

Wind Driven Water Currents, W. Douglas Baines and Douglas J. Knapp, HY2:Mar 65:205:4270

SHELLS (Structural Forms)

Analysis Comparisons for Single Curved Shell Roofs, Paul E. Mast, ST2:Apr 65:1:4282

Analysis of Spherical Shells with Stress Functions, Ziad M. Elias, EM6:Dec 64:135:4173

TR:130:786

Combined Aerodynamic and Structural Design of Light-weight Flight Structures, Robert W. Fralich, CE:Aug 65:60

Cylindrical Shells Under Ring Loads, Halil Halit Demir, ST3:Jun 65:71:4366

Dynamic Instability of a Deep Spherical Shell, Fang-Hual H. Ho, EM3:Jun 65:233:4382

Experimental Buckling of Thin Shells of Revolution, John J. Burns, Jr., EM3:Jun 64:171:3946

TR:130:528

Experiments on Stability on Spherical Caps, Ta-Cheng Loo and Ross. M. Evan-Iwanowski, EM3:Jun 64:255:3956

TR:130:69

Free Vibrations of Conical Shells, V. I. Weingarten, EM4:Aug 65:69:4440

Linear Strain Hardening of Cylindrical Shells, B. J. Thorn and Seng-Lip Lee, EM4:Aug 64:97:4007

TR:130:752

Load-Deformation Behavior of Shells of Revolution, Steven C. Batterman, EM6:Dec 64:1:4167

TR:130:704

Membrane Forces and Buckling in Reticulated Shells, Douglas T. Wright, ST1:Feb 65:173:4227

Membrane Stresses in Laminated Anisotropic Shells, Stanley B. Dong, EM3:Jun 64:53:3931

TR:130:228

Post-Tensioned Shallow Roof Shells for Syracuse Schools, Walter E. Riley, CE:Jul 64:64

TR:130:421

Prismatic Shells with Intermediate Columns, Victor A. Pulmano and Seng-Lip Lee, ST6: Dec 65:215:4578

Response of a Cylindrical Shell to an Elastic Wave, Michael J. Forrestal, Dronnadula V. Reddy, and George Herrmann, EM3:Jun 65:1:4354

Ribless Folded Plates, Seng Lip Lee, Victor A. Pulmano, and T. J. Lin, ST1:Feb 65:253:4238

Stresses in Hyperboloids under Edge Loadings, David G. Elms, David P. Billington, and Robert Mark, EM4:Aug 65:89:4441

Test of Cylindrical Shells in the Plastic Range, Giuliano Augusti and Salvatore d'Agostino, EM1: Feb 64:69:3802

TR:130:335

Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum, T. Y. Lin and Ben W. Young, CE: Jul 65:56

Vibration of Thin Shells under Initial Stress, George Herrmann and John Shaw, EM5:Oct 65: 37:4501

SHIPS

The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523

TR:130:471

SHOCK

Lumping of Mass in Calculating Vibration Response, V. H. Neubert, EM1:Feb 64:47:3801

TR:130:219

On the Shock Response of Inelastic Beams, Kenneth E. Blanchard and Albert B. Schultz, EM5:Oct 65:27:4500

Particle-In-Cell Method Studies and their Applications, Melvin L. Baron, Richard Skalak, and Charles P. Lecht, EM3:Jun 65:129:4374

Shock Waves in Granular Soil, Robert D. Stoll and Ibrahim A. Ebeido, SM4:Jul 65:107:4406

Spherical Elastic Plastic Shock Propagation, Morton B. Friedman, Hans H. Bleich, and Raymond Parnes, EM3:Jun 65:189:4377

Thermal-Shock Effects on a Space Vehicle, Lewis Li-Tang Aug and Donald J. Trent, EM4: Aug 65:1:4425

Two Degree-of-Freedom Elastoplastic Response to a Step Velocity Pulse, Robert H. Anderson, EM5:Oct 65:191:4524

SHORE PROTECTION

Cellular Concrete Block Revetment, Donald A. Parsons and Robert P. Apmann, WW2: May 65:27:4311

Foreshore Protection, Lower Mississippi River, Rudolf Hertzberg, WW2:May 65:1:4305

Proceedings of Ninth Conference on Coastal Engineering available, CE:Feb 65:72

SHORING

- California--Unusual shoring permits unobstructed excavation for San Francisco Children's Hospital, CE:Feb 65:81
 Old Method with New Twist Solves Bank Shoring Problem, Howard R. Gould, CE:Feb 64:51
 TR:130:105

SILT (Material)

- Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541

SLABS

- Deflections of Multiple-Panel Reinforced Concrete Floor Slabs, Mortimer D. Vanderbilt, Mete A. Sozen, and Chester P. Siess, ST4:Aug 65:77:4439
 Direct Stress Analysis of Orthotropic Bridge Slabs, Alexander Coull, ST2:Apr 64:1:3856
 TR:130:13
 Limit Design of Reinforced Concrete Slabs, Robert E. Crawford, EM5:Oct 64:321:4105
 TR:130:768
 Test of a Reinforced Concrete Flat Plate, David S. Hatcher, Mete A. Sozen, and Chester P. Siess, ST5:Oct 65:205:4514

SNOW

- Snow Loads for Roofs, Albert E. Anderson, CE:Jul 65:76

SOIL MECHANICS

- Alluvium Grouting Proved Effective on Alpine Dam, Darius Bonazzi, SM6:Nov 65:81:4544
 Analysis of Pile Groups with Flexural Resistance, A.J. Francis, SM3:May 64:1:3887
 TR:130:600
 Approximation for Terzaghi's Bearing Capacity Factors, Raymond J. Krizek, EM2:Mar 65:1:4247
 Blast Loading of Small Buried Structures, Jay R. Allgood, ST5:Oct 64:39:4095
 TR:130:554
 British Grouting Practice on Granular Materials, William E. Perrott, SM6:Nov 65:57:4542
 Concept of Curtain Grouting Evaluation, Leland F. Grant, SM1:Jan 64:63:3775
 TR:130:349
 Consolidation Coefficient: Cohesive Soil Mixture, Robert L. Kondner and Jose R. Vendrell, Jr., SM5:Sep 64:31:4021
 TR:130:629
 Consolidation of Normally Consolidated Clay, Laing Barden and Peter L. Berry, SM5:Sep 65:15:4481
 Criteria for Acceptability of Papers: Report of the Committee on Publications of the Soil Mechanics and Foundations Division, ASCE, R.V. Whitman, Chmn, SM3:May 65:51:4326
 Current Lunar Soil Research, James K. Mitchell, SM3:May 64:53:3898
 TR:130:390
 Design of Footing for Exposed Exterior Column, Yin-chow Chang, SM4:Jul 65:77:4401
 Design of Laterally Loaded Piles, Bengt B. Broms, SM3:May 65:79:4342

- Design of Tile Drainage for Arid Regions, Hamad Y. Hammad, IR3:Sep 64:1:4036
 TR:130:749

- Disc on differentiating between soil tests in lab and field, Manuel Mateos, CE:Mar 65:64
 Earth Pressures for Bilinear Backfill Surface, B. Satyanarayana, SM1:Jan 65:99:4209
 Effect of Preconsolidation on Settlements, Leo Casagrande, SM5:Sep 64:349:4041
 TR:130:578

- Effect of Site Condition on Earthquake Intensity, John H. Wiggins, Jr., ST2:Apr 64:279:3880
 TR:130:415

- Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz, SM5:Sep 65:1:4476
 Electric Analogs in Time-Settlement Problems, Patrick Domenico and Glen Clark, SM3:May 64:33:3892

- TR:130:595
 Engineering Properties of Simulated Lunar Soils, Eben Vey and John D. Nelson, SM1:Jan 65:25:4199
 Fill Settlement Despite Vertical Sand Drains, George F. Sowers, SM5:Sep 64:289:4044
 TR:130:685

- Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Miraflores Dam, C.Y. Li, CE:Dec 64:52
 TR:130:727

- Foundation Behavior of Iron Ore Storage Yards, Ralph B. Peck and Tonis Raamot, SM3:May 64:85:3902
 TR:130:763

- Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
 TR:130:271

- Importance of Free Ends in Triaxial Testing, Peter W. Rowe and Laing Barden, SM1:Jan 64:1:3753

- TR:130:363
 In-Situ Strength Characteristics of Soft Clays, I. Noorany and H. Bolton Seed, SM2:Mar 65:49:4274

- Interstitial Pressures on Rock Foundations of Dams, J. Laginha Serafim and Alejandro del Campo, SM5:Sep 65:65:4484
 Inventory Index Proposed for Testing Apparatus, M.D. Morris, CE:Jul 64:53
 TR:130:331

- Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631
 TR:130:474

- Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531
 TR:130:206

- Load Transfer in a Step-Taper Pile, Elío D'Appolonia and John A. Hribar, SM6:Nov 63:57:3700
 TR:130:353

- Lunar Problems in Soil Engineering, Ronald F. Scott, SM1:Jan 65:1:4194

- Machine Tunneling in Chicago Clays, Robert S. Mayo, CE:Feb 64:60
 TR:130:160

SOIL MECHANICS Continued

Measuring Instruments for Strutt Excavating, Lauritis Bjerrum, T. Cameron Kenney, and B. Kjaernli, SM1:Jan 65:11:4210

Mechanics of Inclined Filters in Earth Dams, V.J. Patel, A.V. Gopala Krishnayya, and K.L. Arora, SM2:Mar 64:87:3840

TR:130:457

Michigan Study of Pile Driving Hammers, William S. Housel, EM5:Sep 65:37:4483

Old Method with New Twist Solves Bank Shoring Problem, Howard R. Gould, CE:Feb 64:51

TR:130:105

Permeability of Compacted Clay, James K. Mitchell, Don R. Hooper, and Richard G. Campenella, SM4:Jul 65:41:4392

Pile and Pier Foundations, Ralph B. Peck, SM2:Mar 65:33:4273

Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541

Pore Water Pressures in Unsaturated Soils, Roy E. Olsen and Leonard J. Langfelder, SM4:Jul 65:127:4409

Precompression for Support of Shallow Foundations, Earl P. Aldrich, Jr., SM2:Mar 65:5:4267

Prediction of Pile Capacity by the Wave Equation, Paul W. Forehand and Joseph L. Reese, Jr., SM2:Mar 64:1:3820

TR:130:399

Preloading Results in Tank Foundation Economies, Louis J. Goodman and Norbert E. Faltny, CO1:May 65:125:4335

Pressure Cell Observations—Garrison Dam Project, H.A. Sikso and C.V. Johnson, SM5:Sept 64:157:4023

TR:130:653

Propagation of Shock Waves in the Ground, Theo Ginsburg, ST1:Feb 64:125:3800

TR:130:275

Pumping Test to Determine Permeability Ratio, Charles I. Mansur and Rudy J. Dietrich, SM4:Jul 65:151:4415

Radial Drainage Oedometer for Laminated Clays, D.H. Shields and P.W. Rowe, SM1:Jan 65:15:4198

Rebound in Redesign of Oahe Dam Hydraulic Structures, Lloyd B. Underwood, Stanley T. Thorfinnson, and William T. Black, SM2:Mar 64:65:3830

TR:130:47

Research in Soil Structure Interaction, William J. Flathau, ST4:Aug 65:35:4427

Retreat of Lakeshore Bluffs, Howard J. Pincus, WW1:Feb 64:115:3809

TR:130:343

Role of the 'Calculated Risk' in Earthwork and Foundation Engineering, Arthur Casagrande, SM4:Jul 65:1:4390

Second Teraghi Lecture by Dr. Casagrande available, Aug 65:90

Seismic Analysis of Bridges on Long Piles, Joseph Penzien, Charles F. Scheffey, and Richard A. Parmelee, EM3:Jun 64:223:3953

TR:130:321

Self-Recording Soil Penetrometer, Bengt B. Broms and D.E. Broussard, SM1:Jan 65:53:4200

Settlement Analyses, A Review of Theory and Testing Procedures, H. Bolton Seed, SM2:Mar 65:39:4275

Settlement Response Caused by Footing Groups, Raymond J. Krizek and Robert L. Kondner, SM5:Sep 64:269:4045

TR:130:659

Shallow Foundations, George G. Meyerhof, SM2:Mar 65:21:4271

Shearing Resistance of Soils as a Rate Process, James K. Mitchell, SM1:Jan 64:29:3773

TR:130:369

Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691

TR:130:303

Shear Stress Pore Pressure in Triaxial Testing, G.E. Blight, SM6:Nov 65:25:4540

Shock-Induced Stress Wave Propagation in Sand, Ernest T. Selig and Eban Vey, SM3:May 65:19:4332

Shock Waves in Granular Soil, Robert D. Stoll and Ibrahim A. Ebeido, SM4:Jul 65:107:4406

Sixth Conference of International Society for Soil Mechanics and Foundation Engineering, Montreal, Quebec, Sep 8-15, CE:Jan 65:94; Report, Dec 65:75; Proceedings available, Dec 65:76

Slope Stabilized by Anchored Retaining Wall, G.A. Reti, CE:Apr 64:49

TR:130:216

Soil-Lime Research at Iowa State University, Manuel Mateos, SM2:Mar 64:127:3847

TR:130:433

Soils course in advance of Sixth International Conference on Soil Mechanics, CE:Mar 65:44

Soil Surface Compaction with a Foam-Type Explosive, L.J. Goodman, A.R. Aidun, and C.S. Grove, Jr., SM1:Jan 65:143:4211

Some Swelling Characteristics of Compacted Clays, James V. Parcher and Ping-Chuan Lin, SM3:May 65:1:4316

Spacing of Drains by an Approximate Method, Gedeon Dagan, IR1:Mar 64:41:3824

TR:130:81

Stability of Cuts in Soft Soils, T.C. Kenney, SM5:Sept 63:17:3647

TR:130:171

Stability of Slopes in Anisotropic Soils, Kwan Yee Lo, SM4:Jul 65:85:4405

Stabilization of Sand Dunes at Vandenberg Air Force Base, John Peters and Joe Sciandrona, SM4:Jul 64:97:3976

TR:130:344

Standard Penetration Test: Its Uses and Abuses, Gordon F.A. Fletcher, SM4:Jul 65:67:4395

State-of-the-Art of Floating Foundations, Hugh Q. Golder, SM2:Mar 65:81:4278

Stochastic Model for Predicting Subsidence, Arnold L. Sweet and John L. Bogdanoff, EM2:Apr 65:21:4292

Stress-Strain Modulus of Clay in Undrained Shear, Charles C. Ladd, SM5:Sep 64:103:4039

TR:130:589

SOIL MECHANICS Continued

Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473

TR:130:215

Texas--Houston Airport, Study in Engineer-Contractor Harmony, H.O. Fischer, CE: Sep 65:32

The Nature of Damping in Sands, Bobby O. Hardin, SM1:Jan 65:63:4206

The Structural Action of Pile Cluster Dolphins, David G. Elms and Werner E. Schmid, WW4: Nov 65:11:4529

The Use of Free Ends in Triaxial Testing of Clays, Laing Barden and J.W. McDermott, SM6:Nov 65:1:4535

Tolerance of Structures to Settlement, Jacob Feld, SM3:May 63:4336

Underwater Inspection of Test Fill in Gatun Lake for Dam to Serve Panama Canal, Anthony P. Mann, CE:May 64:31

TR:130:241

Use of Surcharges in Highway Construction, William F. Kleiman, SM5:Sep 64:331:4048

TR:130:623

Validity of a Stochastic Model for Predicting Subsidence, Arnold L. Sweet, EM6:Dec 65:11: 4573

Variable-Factors Theory of Bearing Capacity, George C. Y. Hu, SM4:Jul 64:85:3969

TR:130:291

Vibration of Gas Compressor Foundation Controlled by Chemical Grouting, Gregory P. Tschebotarioff, CE:May 64:34

TR:130:253

SPACE EXPLORATION

Apollo-a Trip to the Moon--symposium,

(1) Vertical Assembly Building--Project Description, Organization and Procedures, William D. Alexander, CE:Jan 65:42: (2)

Design of the Vertical Assembly Building, Anton Tedesko, Jan 65:45; (3) VAB--Design of Foundations, Philip C. Rutledge, Jan 65:50

Dsc: E.M.T. Ryder, CE:Apr 65:80

Engineering Challenges of Lunar Exploration, Daniel L. Lycan, CE:Dec 65:40

Life Support Requirements for Space Missions, Charles M. Proctor, SA2:Apr 65:1:4288

Mississippi--Saturn rocket test facility to be built for NASA, CE:Apr 65:98

SPECIFICATIONS

AISC publishes booklet on joist specifications, CE:Sep 65:90

Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646

TR:130:382

Designing Specifications--A Challenge, Edward A. Abdun-Nur, CO1:May 65:29:4315

Legal Aspects of Quality Control, Robert B. Jarvis, CE:Oct 65:71

Low Pressure Air Test for Sanitary Sewers, Roy E. Ramseier and George C. Riek, SA2:Apr 64:1:3883

TR:130:677

SPILLWAYS

Boundary Layer Development and Spillway Energy Losses, Frank B. Campbell, Robert C. Cox, and Marden B. Boyd, HY3:May 65:149:4331

Hydrology of Spillway Design: Introduction, Harvey O. Banks, HY3:May 64:235:3912

TR:130:287

Hydrology of Spillway Design: Large Structures--Adequate Data, Franklin F. Snyder, HY3:May 64:239:3915

TR:130:587

Hydrology of Spillway Design: Small Structures--Limited Data, Harold O. Ogrosky, HY3: May 64:295:3914

TR:130:367

Irrrotational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591

New Tainter Gate Hoist, H. Spencer Green, PO2:Jul 64:1:3970

TR:130:266

Prestressed Anchorage for Large Tainter Gate, Andrew Eberhardt and Jan A. Veltrop, ST6:Dec 64:123:4170

TR:130:757

Spillway Discharge Coefficients for Rock Island Dam, Claud C. Lomax, HY3:May 65:19:4320

Straight Drop Spillway Stilling Basin, Charles A. Donnelly and Fred W. Blaisdell, HY3:May 65: 101:4328

STABILITY

Matrix Formulation of Structural Stability Problems, Billy J. Hartz, ST6:Dec 65:141:4572

STADIUMS

Texas--Unusual Dome Awaits Baseball Season in Houston, Louis O. Bass, CE:Jan 65: 63

Dsc: R.S. DiSalvo, CE:Mar 65:64

STATISTICAL ANALYSIS

Designing Specifications--A Challenge, Edward A. Abdun-Nur, CO1:May 65:29:4315

Double Summation of Errors in Aerial Triangulation, Gordon Gracie, SU2:Sep 65:13:4467

Michigan Study of Pile Driving Hammers, William S. Housel, SM5:Sep 65:37:4483

Predictive Techniques for Water Quality-Inorganics, Joe E. Ledbetter and Earnest F. Gloyne, SA1:Feb 64:127:3810

TR:130:193

Spurious Correlation in Hydraulics and Hydrology, Manual A. Benson, HY4:Jul 65:35:4393

Turbulent Mixing Phenomena of Ocean Outfalls, Richard J. Frankel and James D. Cumming, SA2:Apr 65:33:4297

STEELS

Aeroelastic Vibration of a Steel Arch, Richard R. Bradshaw, ST3:Jun 64:1:3921

TR:130:319

AISC awards, CE:Mar 65:84

AISC awards 16 bridges opened in 1964, CE:Dec 65:86

AISC Conference on "What Is New in Steel," reported, CE:Jun 65:90

STEELS Continued

AISC names 1965 Architectural Awards of Excellence, CE:Aug 65:103

AISC publishes booklet on joist specifications, CE:Sep 65:90

AISC to hold 17th annual National Engineering Conference, CE:Mar 65:87

Analysis of Bolted Butt Joints, John W. Fisher and John L. Rumpf, ST5:Oct 65:181:4513

Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584

TR:130:3

Analysis of Multicell Box Gages for Dry Docks, Mohamed Ali El-gaaly, ST3:Jun 65:171:4380

Arecibo Radar-Radar Telescope--Design and Construction, Thomas C. Kavanagh and David H. H. Tung, COI:May 65:69:4323

Beam Column Experiments, Ralph C. Van Kuren and Theodore V. Galambos, ST2:Apr 64:223:3876

TR:130:9

Buckling of Steel Columns Under Arbitrary End Loads, Seng-Lip Lee and G. F. Hauck, ST2:Apr 64:179:3872

TR:130:73

Buckling Strength of Circular Tubes, Charles G. Schilling, ST5:Oct 65:325:4520

Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731

TR:130:295

Calibration Tests of A490 High-Strength Bolts, Gordon H. Sterling, Emile W. J. Troup, Eugene Chesson, Jr., and John W. Fisher, ST5:Oct 65:279:4515

Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE:May 65:62

Cold-Formed Steel Members for Economy and Easy Assembly, Paul Buker, CE:May 65:64

Colorado--70-ft. Underpasses of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84

Concept of Tubular-Joint Design, Jack G. Bouwkamp, ST2:Apr 64:77:3864

TR:130:507

Criteria for Designing Bearing-Type Bolted Joints, John W. Fisher and Lynn S. Beedle, ST5:Oct 65:129:4511

Deflection of Circular Curved I Beams, Ross A. Close, ST1:Feb 64:203:3804

TR:130:419

Deflection of Tall Guyed Tower in Dallas, J. K. Groseclose, CE:Nov 64:68

TR:130:571

Delaware--Steel erection begun on Delaware Memorial Bridge, CE:Dec 65:88

Die Cutting Cuts Cost of Open-Web Steel Beams, Leonard Kates, CE:Jul 64:40

TR:130:313

Dynamic Changes of Mode in Rigid-Plastic Structures, Barry Rawlings, EM2:Apr 65:1:4283

Dynamic Plastic Analysis of Steel Frames, Barry Rawlings, ST3:Jun 64:265:3954

TR:130:649

Effect of Large Alternating Strains on Steel Beams, Vitelmo V. Bertero and Egor P. Popov, ST1:Feb 65:1:4217

Expanding a Prestressed Concrete Plant, George Laszlo, CE:Apr 65:42

Flange Local Buckling in Wide-Flange Shapes, Maxwell G. Lay, ST6:Dec 65:95:4554

Flexural Fatigue Tests of Prestressed Steel I-Beams, W. Daniel Reneker and Carl E. Ekberg, Jr., ST2:Apr 64:131:3868

TR:130:561

Flexural Strength of Steel and Concrete Composite Beams, Roger G. Slutter and George C. Driscoll, ST2:Apr 65:71:4294

Florida--Liaison Insures Quality Control for Vehicle Assembly Building at Cape Kennedy, Charles I. Orr, CE:Oct 65:56

Gravity Flow Reinforced Concrete Pipe Design, Howard F. Peckworth and John G. Hendrickson, PL1:Jan 64:33:3771

TR:130:584

Higher-Strength Structural Steels, J. A. Gilligan, CE:Nov 64:35

TR:130:551

High Strength Bolted Moment Connections, Richard T. Douty and William McGuire, ST2:Apr 65:101:4298

High-Strength Bolts Subjected to Tension and Shear, Eugene Chesson, Jr., Norberto L. Faustino, and William H. Munse, ST5:Oct 65:155:4512

Imports of steel set new high in 1964, CE:Jan 65:100

Indiana--Bethlehem Steel Co. adds sheet and plate capacity at Burns Harbor plant, CE:Nov 65:114

Inelastic Buckling of Steel Frames, Le-Wu Lu, ST6:Dec 65:185:4577

Inelastic Steel Beams Under Uniform Moment, Maxwell G. Lay and Theodore V. Galambos, ST6:Dec 65:67:4566

International conference studies high-rise steel buildings, CE:Oct 65:107

Japanese steel company gets Ex-Im Bank loan, CE:Mar 65:86

Laboratory Investigation of Unstiffened Triangular Bracket Plates, Charles G. Salmon, Donald R. Buettner, and Thomas C. O'Sheridan, ST2:Apr 64:257:3879

TR:130:436

Missouri--St. Louis Steel Arch, Symbol of the Spirit of the Pioneers, J.E.N. Jensen, CE:Oct 65:64

Missouri--St. Louis Gateway Arch completed, CE:Dec 65:84

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

On Composite Beams, William R. Spillers, ST4:Aug 65:17:4423

Quality Controls for Steel Construction, Milton Brumer, CE:Oct 65:76

Reinforcement Requirements for Girder Web Openings, Edmund P. Segner, Jr., ST3:Jun 64:147:3919

TR:130:645

Rigidity and Strength of Composite Plates, C. W. Beadle, J.W. Dally and W.F. Riley, EM6:Dec 64:211:4183

TR:130:777

STEELS Continued

Shear Strength of High-Strength Bolts, James J. Wallaert and John W. Fisher, ST3:Jun 65:99:4368

South Carolina--Second Cooper River Bridge at Charleston nears completion, CE:Nov 65:113
Steel Deck Bridges with Long Rib Spans, Roman Wolchuk, CE:Feb 64:53

TR:130:115

Steel Fabrication Drawings by Computer, Alfred H. Palmer and Herbert T. Blomquist, CE:Feb 65:50

Dsc: Henry G. Hurd, CE:May 65:74; Author's reply, May 65:74

Steel shipments set all-time record in April 1965, CE:Jul 65:88

Strength of Round Steel Columns, Theodore V. Galambos, ST1:Feb 65:121:4219

Strength of Single-Story Steel Frames, Joseph A. Yura and Theodore V. Galambos, ST5:Oct 65:81:4507

Studies of the Ductility of Steel Structures, Theodore V. Galambos and Maxwell G. Lay, ST4:Aug 65:125:4444

Three records in steel production set, CE:Aug 65:105

Torsional-Flexural Buckling of Thin-Walled Members, Alexander Chajes and George Winter, ST4:Aug 65:103:4442

Ultimate Strength Design for Highway Bridges, Howard L. Payne and Lamar H. Caldwell, ST5:Oct 65:43:4499

U.S. Steel announces competition on highway bridge design, CE:Nov 65:115

Yielding of Uniformly Loaded Steel Members, Maxwell G. Lay, ST6:Dec 65:49:4580

STIFFNESS

Analysis of Pile Groups with Flexural Resistance, A. J. Francis, SM3:May 64:1:3887

TR:130:600

Dynamic Behavior of Massive Guy Cables, Alan G. Davenport and George N. Steels, ST2:Apr 65:43:4293

Elastic Torsional Analysis of Irregular Shapes, Leonard R. Herrmann, EM6:Dec 65:11:4562

Yielding of Uniformly Loaded Steel Members, Maxwell G. Lay, ST6:Dec 65:49:4580

STILLING BASINS

Straight Drop Spillway Stilling Basin, Charles A. Donnelly and Fred W. Blaisdell, HY3:May 65:101:4328

STOCHASTIC PROCESS

Stochastic Model for Predicting Subsidence, Arnold L. Sweet and John L. Bogdanoff, EM2:Apr 65:21:4292

STORMS

Guam Typhoon Tears Out Hospital Windows, Harold V. Ehlers, CE:Jul 64:56

Dsc: Donald F. Roberts, CE:Nov 64:71

TR:130:337

Massachusetts--Hurricane barrier to protect New Bedford, CE:Mar 65:82

STRAINS

A Method to Increase the Accuracy of Moire Method, Fu-Pen Chiang, EM1:Feb 65:137:4239
Analysis of Short Span Folded Plates, Kaveti Seetharamulu and Mangesh G. Kulkarni, ST3:Jun 64:165:3939

TR:130:699

Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665

TR:130:85

Large Strain Analysis and Stresses in Linear Materials, August J. Durelli and Alfred P. Mulzet, EM3:Jun 65:65:4367

Linear Strain Hardening of Cylindrical Shells, B. J. Thorn and Seng-Lip Lee, EM4:Aug 64:97:4007

TR:130:752

STREAMS

Analysis of Sewage Treatment Systems by Simulation, M. Mead Montgomery and Walter R. Lynn, SA1:Feb 64:73:3807

TR:130:361

Annual Variation of Stream Water Temperature, J. C. Ward, SA6:Dec 63:1:3710

TR:130:258

Field Estimates of Oxygen Balance Parameters, SA5:Oct 65:1:4485

Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680

TR:130:153

Regime Criteria for Alluvial Streams, R. J. Garde and K. G. Ranga Raju, HY6:Nov 63:153:3705

TR:130:178

Stream-Aquifer System Analysis, Ali Eshett and Morton W. Bittinger, HY6:Nov 65:153:4545

STREETS

Deficiencies of Urban Transportation Studies, Roy E. Jorgensen, HW2:Dec 65:17:4568

STRENGTH OF MATERIALS

Analysis of Bolted Butt Joints, John W. Fisher and John L. Rumpf, ST5:Oct 65:181:4513
Importance of Strain Hardening in Plastic Design, Alexander P. Hrennikoff, ST4:Aug 65:23:4424

STRESSES

Analysis of a Two-Layer Viscoelastic System, David C. Kraft, EM6:Dec 65:129:4576

Analysis of Spherical Shells with Stress Functions, Ziad M. Elias, EM6:Dec 64:135:4173

TR:130:786

Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665

TR:130:85

Circular Plates Loaded into the Plastic Region, Leslie M. Lackman, EM6:Dec 64:21:4155

TR:130:787

Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161:3721

TR:130:451

STRESSES Continued

- Flexural Fatigue Tests of Prestressed Steel I-Beams, W. Daniel Reneker and Carl E. Ekberg, Jr., ST2:Apr 64:131:3868
TR:130:561
- General Computer Analysis of Beams, John E. Goldberg, John L. Bogdanoff, and William D. Glauz, EM3:Jun 64:135:3943
TR:130:80
- Membrane Forces and Buckling in Reticulated Shells, Douglas T. Wright, ST1:Feb 65:173:4227
- Membrane Stresses in Laminated Anisotropic Shells, Stanley B. Dong, EM3:Jun 64:53:3931
TR:130:228
- Orthotropic Beams Under Polynomial Loads, Isadore K. Silverman, EM5:Oct 64:233:4101
TR:130:634
- Pore Water Pressures in Unsaturated Soils, Roy E. Olsen and Leonard J. Langfelder, SM4:Jul 65:127:4409
- Pressure Testing of Thick Reinforced Concrete Cell, Stanley H. Fistedis, ST2:Apr 64:31:3860
TR:130:324
- Prismatic Shells with Intermediate Columns, Victor A. Pulmano and Seng-Lip Lee, ST6:Dec 65:215:4578
- Relief of Residual Stresses by Heating Patterns, T. H. Lin and Leslie M. Lackman, EM3:Jun 64:87:3937
TR:130:675
- Shock-Induced Stress Wave Propagation in Sand, Ernest T. Selig and Eben Vey, SM3:May 65:18:4332
- Stresses at Tunnel Intersections, William F. Riley, EM2:Apr 64:167:3875
TR:130:615
- Stresses in Hyperboloids under Edge Loadings, David G. Elms, David P. Billington, and Robert Mark, EM4:Aug 65:89:4441
- The Performance of Casing Pipes Under Railroads and Highways: Report of the Research Council on Pipeline Crossings of Railroads and Highways, ASCE, J.E. Thompson, Chmn, PL1:Jul 65:39:4419
- Vibration of Thin Shells under Initial Stress, George Herrmann and John Shaw, EM5:Oct 65:37:4501

STRUCTURAL ENGINEERING

- Aeroelastic Vibration of a Steel Arch, Richard R. Bradshaw, ST3:Jun 64:1:3921
TR:130:319
- Alaska--Vertical Forces in Earthquake of March 1964, Harvey P. Pittelko, CE:Jan 65:56
Disc: Harold C. Smith, CE:Mar 65:52
- Analysis Comparisons for Single Curved Shell Roofs, Paul E. Mast, ST2:Apr 65:1:4282
- Analysis of Bolted Butt Joints, John W. Fisher and John L. Raumpf, ST3:Oct 65:181:4513
- Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
TR:130:3
- Analysis of Continuous Folded Plate Surface, Fred W. Beaufait, ST6:Dec 65:117:4555
- Analysis of Deflections in Elastic-Plastic Frames, Niels C. Lind, ST3:Jun 65:197:4381
- Analysis of Folded Plate Structures, George G. Goble, ST1:Feb 64:93:3797
TR:130:387
- Analysis of Laterally Loaded Gridworks, Thein Wah, EM2:Apr 64:83:3865
TR:130:481
- Analysis of Multicell Box Gates for Dry Docks, Mohamed Ali El-gaaly, ST3:Jun 65:171:4380
- Analysis of Nonlinear Structures: Force Method, Ralph M. Richard and John E. Goldberg, ST6:Dec 65:33:4553
- Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
TR:130:139
- Analysis of Short Folded Plates, Max Reiss and Michael Yitzhak, ST5:Oct 65:233:4516
- Analysis of Short Span Folded Plates, Kaveti Seetharamulu and Mangesh G. Kulkarni, ST3:Jun 64:165:3939
TR:130:699
- Analysis of Truss-Plate Structures, James W. Gillespie, ST2:Apr 65:129:4300
- ASCE Structural Division conference on wood, Chicago, Ill., Jun 9-11, CE:Apr 65:84; Program, May 65:71; Report, Jul 65:44
- ASCE Structural Engineering Conference, Miami Beach, Fla., Jan 31-Feb 4, 1966: Mexico City meeting to follow, CE:Mar 65:73; Program, Nov 65:89; Dec 65:50; Dec 65:74
- A Study of Guyed Towers, John E. Goldberg and V. James Meyers, ST4:Aug 65:57:4438
- A Study of Mechanisms with Application to Frames, Jacques E. Benveniste, EM1:Feb 65:19:4222
- Beam Columns Experiments, Ralph C. Van Kuren and Theodore V. Galambos, ST2:Apr 64:223:3876
TR:130:9
- Behavior of Fasteners and Plates with Holes, John W. Fisher, ST6:Dec 65:265:4587
- Behavior of Hybrid Beams Subjected to Static Loads, Ronald W. Frost and Charles G. Schilling, ST3:Jun 64:55:3928
TR:130:604
- Blast Loading of Small Buried Structures, Ray R. Allgood, ST5:Oct 64:39:4095
TR:130:554
- Bolted Bridge Behavior During Erection and Service, Eugene Chesson, Jr., ST3:Jun 65:57:4365
- Buckling Loads for Stepped Columns, John W. Harvey, ST2:Apr 64:201:3873
TR:130:618
- Buckling of a Prestressed Circular Ring, John E. Goldberg and John L. Bogdanoff, ST4:Aug 64:235:4018
TR:130:767
- Buckling of Elastically Restrained Columns, German Gurfinkel and Arthur R. Robinson, ST6:Dec 65:159:4574
- Buckling of Longitudinally Stiffened Cylinders, Jeng C. Shang, Walter J. Marulic, and Rolland G. Sturm, ST5:Oct 64:161:4115
TR:130:667
- Buckling of Steel Columns Under Arbitrary End Loads, Seng-Lip Lee and G. F. Hauck, ST2:Apr 64:179:3872
TR:130:73

STRUCTURAL ENGINEERING Continued

Buckling of Three-Legged Columns with Batten Bracing, Jorge Y. Tamayo and Morris Ojalvo, ST1:Feb 65:141:4224

Buckling Strength of Circular Tubes, Charles G. Schilling, ST5:Oct 65:325:4520

Cable Movements Under Two-Dimensional Loads, W. Terence O'Brien and Arthur J. Francis, ST3:Jun 64:89:3929

TR:130:737

Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731

TR:130:295

Calibration Test of A490 High-Strength Bolts, Gordon H. Sterling, Emile W. J. Troup, Eugene Chesson, Jr., and John W. Fisher, ST5:Oct 65:279:4515

Ceramics as Structural Materials, Francis R. Shanley and William J. Knapp, ST4:Aug 65:47:4429

Cold-Formed Steel Members for Economy and Easy Assembly, Paul Buker, CE:May 65:64

Collapse of Arches Under Repeated Loading, Vicenzo Franciosi, Giuliano Augusti, and Renato Sparcio, ST1:Feb 64:165:3803

TR:130:391

Combined Aerodynamic and Structural Design of Light-weight Flight Structures, Robert W. Fralich, CE:Aug 65:60

Comparison of Simplified Theories for Folded Plates, Graham H. Powell, ST6:Dec 65:1:4552

Computer System Designed for Teaching and Structural Research at MIT, William Little and Kenneth Reinschmidt, CE:Aug 65:71

Computer Systems for Matrix Operations, Herbert Rothman and Peter Reilly, ST3:Jun 64:125:3933

TR:130:763

Concept of Tubular-Joint Design, Jack G. Bouwkamp, ST2:Apr 64:77:3864

TR:130:507

Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717

TR:130:34

Creep Buckling of Slender Columns, Jose N. Distefano, ST3:Jun 65:127:4369

Criteria for Designing Bearing-Type Bolted Joints, John W. Fisher and Lynn S. Beedle, ST5:Oct 65:129:4511

Crushable Materials for Structural Blast Shields, Martin A. Salmon and Carl J. Costantino, ST3:Jun 65:229:4384

Cylindrical Shells Under Ring Loads, Halil Halit Demir, ST3:Jun 65:71:4366

Deflection of Circular Curved I Beams, Ross A. Close, ST1:Feb 64:203:3804

TR:130:419

Deflections of Multiple-Panel Reinforced Concrete Floor Slabs, Mortimer D. Vanderbilt, Mete A. Sozen, and Chester P. Siess, ST4:Aug 65:77:4439

Depth Selection of Built-Up I-Sections, J. S. Alagia, CE:Dec 64:88

TR:130:687

Design Charts for Symmetrically Haunched Members, Rayford B. Smith, CE:Aug 65:72

Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5:Oct 65:255:4518

Design of Haunched Beams by Fixed Points, Stanton E. Huey, ST2:Apr 64:13:3858

TR:130:613

Design of Prestressed Concrete Buildings for Earthquake Resistance, T. Y. Lin, ST5:Oct 65:1:4488

Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

Die Cutting Cuts Cost of Open-Web Steel Beams, Leonard Kates, CE:Jul 64:40

TR:130:313

Direct Stiffness Solution for Folded Plates, Armin DeFries-Skene and A. C. Scordelis, ST4:Aug 64:15:3994

TR:130:717

Direct Stress Analysis of Orthotropic Bridge Slabs, Alexander Coull, ST2:Apr 64:1:3856

TR:130:13

Dynamic Analysis of Elastic-Plastic Frames, Arthur C. Heidebrecht, Seng-Lip Lee, and John F. Fleming, ST2:Apr 64:315:3881

TR:130:33

Dynamic Behavior of Massive Guy Cables, Alan G. Davenport and George N. Steels, ST2:Apr 65:43:4293

Dynamic Plastic Analysis of Steel Frames, Barry Rawlings, ST3:Jun 64:265:3954

TR:130:649

Dynamic Response Functions, Bruce S. Berger, EM4:Aug 64:131:4017

TR:130:515

Dynamic Structural Analysis with Short Time History, George L. Henderson, ST3:Jun 65:1:4352

Earthquake Response of a Yielding Structure, Paul C. Jennings, EM4:Aug 65:41:4435

Effect of Large Alternating Strains on Steel Beams, Vitelmo V. Bertero and Egor P. Popov, ST:Feb 65:1:4217

Effect of Site Condition on Earthquake Intensity, John H. Wiggins, Jr., ST2:Apr 64:279:3880

TR:130:415

Eigen-Matrix Method for Beams and Plates, Benno Suke Tanimoto, ST5:Oct 63:173:3681

TR:130:103

Energy Absorption of Structures Under Cyclic Loading, Kenneth Medearis and D. H. Young, ST1:Feb 64:61:3791

TR:130:249

Error Statistics for Reinforced Concrete Beams, Theodore Zsutt, ST6:Dec 63:235:3732

TR:130:158

Face-Wrinkling Mode of Buckling of Sandwich Panels, Billy J. Harris and W. C. Crisman, EM3:Jun 65:93:4370

Fatigue of Joints in Aluminum Alloy 6061-T6, Glenn E. Nordmark and John W. Clark, ST6:Dec 64:35:4156

TR:130:744

Flange Local Buckling in Wide-Flange Shapes, Maxwell G. Lay, ST6:Dec 65:95:4554

Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735

TR:130:164

STRUCTURAL ENGINEERING Continued

Flexural Fatigue Tests of Prestressed Steel

I-Beams, W. Daniel Reneker and Carl E.

Ekberg, Jr., ST2:Apr 64:131:3868

TR:130:561

Flexural Strength of Steel and Concrete Composite Beams, Roger G. Slutter and George C.

Driscoll, ST2:Apr 65:71:4294

Florida--Criteria for Construction in Creating

Another Cape Kennedy Colossus, George H.

Kirkland, CE:Oct 65:59

Flow Graph of Moment Distribution, Chuan C.

Feng and Richard D. Benton, ST2:Apr 64:153:

3870

TR:130:218

Frequency Analysis of Beams by Flexibility

Method, James N. Gillespie and Boen-Dar

Liaw, EM1:Feb 64:23:3798

TR:130:233

General Computer Program for Limit Analysis,

Chu-Kia Wang, ST6:Dec 63:101:3719

TR:130:161

Generalization of Hardy Cross Method, Lino

Quirko, ST5:Oct 65:57:4502

Generation of Artificial Earthquakes, G.W.

Housner and P.C. Jennings, EM1:Feb 64:113:

3806

TR:130:530

Geometry of Suspended Cloth Roofs, Avinadav

Siev, ST6:Dec 65:251:4585

Golden Gateway (Symposium): M. Justin

Herman, William W. Moore, Stanley E.

Teixeira, Don Gillis, CE:Jan 64:31

TR:130:17

Guide to Development and Use of Electronic

Computer Programs: Engineering Analysis,

Elwyn H. King, ST6:Dec 64:25:4154

TR:130:775

Higher-strength structural steels, J.A.

Gilligan, CE:Nov 64:35

TR:130:551

High Strength Bolted Moment Connections,

Richard T. Douthy and William McGuire, ST2:

Apr 65:101:4298

High-Strength Bolts Subjected to Tension and

Shear, Eugene Chesson, Jr., Norberto L.

Faustino, and William H. Munse, ST5:Oct 65:

155:4512

Importance of Strain Hardening in Plastic

Design, Alexander P. Hrennikoff, ST4:Aug 65:

23:4424

Inelastic Buckling of Steel Frames, Le-Wu Lu,

ST6:Dec 65:185:4577

Inelastic Steel Beams Under Uniform Moment,

Maxwell G. Lay and Theodore V. Galambos,

ST6:Dec 65:67:4566

Influence Lines for Beams on Elastic Foundations, K.T. Sundara Raja Iyengar and S.

Anantharamu, ST3:Jun 65:45:4359

Influence-Line Spectrum by Graphical Construction, Charles G. Salmon, and Donald R.

Buettner, CE:Jul 64:54

TR:130:428

International conference studies high-rise

steel buildings, CE:Oct 65:107

Iterative Limit Load Analysis for Tall Frames,

Niels C. Lind, ST2:Apr 64:103:3867

TR:130:661

Laboratory Investigation of Unstiffened

Triangular Bracket Plates, Charles G. Salmon,

Donald R. Buettner, and Thomas C. O'Sheridan,

ST2:Apr 64:257:3879

TR:130:436

Lateral Stability of Glued Laminated Beams,

R.F. Hooley and B. Madsen, ST3:Jun 64:201:

3948

TR:130:781

Limit Analysis of Grid Frameworks, F.S.

Shaw, ST5:Oct 63:1:3658

TR:130:330

Limit Design of Reinforced Concrete Slabs,

Robert E. Crawford, EM5:Oct 64:321:4105

TR:130:768

Long Bolted Joints, Robert A. Bendigo, Roger

M. Hansen, and John L. Rumpf, ST6:Dec 63:

187:3727

TR:130:274

Masonry Walls on Continuous Beams, Saky

Rosenhaupt and Yehuda Sakal, ST1:Feb 65:155:

4226

Matrix Analysis of Semi-Rigidly Connected

Frames, G.R. Monforten and T.S. Wu, ST6:

Dec 63:13:3713

TR:130:149

Matrix Formulation of Structural Stability

Problems, Billy J. Hartz, ST6:Dec 65:141:4572

Membrane Forces and Buckling in Reticulated

Shells, Douglas T. Wright, ST1:Feb 65:173:4227

Misalignment in Bolted Joints, Desi D. Vasarhelyi and William N. Chang, ST4:Aug 65:1:4422

Missouri--Arc Welding Speeds Construction of

Springfield Office Building, Rudolph F. Fischl

and Georg Klatte, CE:Feb 65:60

Model Balsa-Wood Bridges in Education, Boyd

C. Rungo, CE:Feb 64:48

Dsc: S. Chriss, CE:May 64:62

TR:130:83

Moment Coefficients for Fixed-End Beams to

be Used in the Three-Moment Equation, Thomas

D.Y. Fok and Thomas F. Mosure, CE:Aug 64:78

Dsc: F.P. Wiesinger, CE:Nov 64:73; Charles

O. Heller, Jan:65:84; Authors' reply: CE:

Apr 65:79

TR:130:449

Moment Coefficients for Frame Analysis,

Frederick P. Wiesinger, Seng-Lip Lee and John

F. Fleming, ST6:Dec 63:1:3712

TR:130:39

Moment Equations for Computer Analysis of

Frames, Semih S. Tezcan, ST3:Jun 64:35:3926

TR:130:673

New Light on Blasting Vibration Effects,

Harold H. White, CE:Apr 64:61

TR:130:252

Nonlinear Behavior of Structural Plane Frames,

S.A. Saafan, ST4:Aug 63:557:3615

TR:130:197

Numerical Method for Structural Shock Re-

sponse, G.J. O'Hara and P.F. Cuniff, EM2:

Apr 64:51:3866

TR:130:169

Numerical Methods in Bending and Buckling of

Plates, A.N. Sherbourne, ST4:Aug 63:137:3588

TR:130:51

On Composite Beams, William R. Spillers,

ST4:Aug 65:17:4423

STRUCTURAL ENGINEERING Continued

Optical Tooling for Precise Structural Measurements, Gerald C. Ward and John F. Ely, ST3:Jun 64:179:3944

TR:130:225

Parabolic Arches of Variable Thickness, Alfred L. Parme and Eugene P. Holland, ST6:Dec 64:65:4162

TR:130:779

Periodic Response of a General Yielding Structure, Paul C. Jennings, EM2:Apr 64:131:3871

TR:130:121

Philosophy of Engineering Design of Structures, Malcolm S. Gregory, ST6:Dec 63:119:3722

TR:130:59

Plastic Analysis and Design of Non-Prismatic Members, Bruce G. Rogers and William H. Munse, Jr., ST5:Oct 65:299:4519

Plastic Analysis of Circular Balcony Girders, Kuang-Han Chu and Arthur Thelen, ST6:Dec 63:159:3726

TR:130:62

Plastic Behavior of Tubular Beam Columns, Timothy J. Dwyer and Theodore V. Galambos, ST4:Aug 65:153:4446

Post-tensioned Viaduct Piers, Edward P. Keiner, Jr., CE:Jan 65:72

Precast Segmental Construction for Long-span Bridges, Ben C. Gerwick, CE:Jan 64:43

TR:130:44

Preliminary Analysis of Continuous Curved Girder Frames, Delbert C. Carman and Jan J. Tuma, ST4:Aug 64:191:4012

TR:130:642

Preliminary Design of Concrete Dams by Computers, Ralph Weaver, CE:Feb 64:43

TR:130:99

Pressure Testing of Thick Reinforced Concrete Cell, Stanley H. Fistedis, ST2:Apr 64:31:3860

TR:130:324

Prestressed Anchorage for Large Tainter Gate, Andrew Eberhardt and Jan A. Veltrop, ST6:Dec 64:123:4170

TR:130:757

Prismatic Shells with Intermediate Columns, Victor A. Pulmano and Seng-Lip Lee, ST6:Dec 65:215:4578

Propagation of Shock Waves in the Ground, Theo Ginsburg, ST1:Feb 64:125:3800

TR:130:275

Regression Analysis of Reinforced Concrete Columns, Hareesh C. Shah, ST1:Feb 64:37:3785

TR:130:345

Reinforcement Requirements for Girder Web Openings, Edmund P. Segner, Jr., ST3:Jun 64:147:3919

TR:130:645

Reinforcing for a Rectangular Opening in a Plate, Robert R. Snell and Marion B. Scott, ST4:Aug 65:169:4451

Research in Soil Structure Interaction, William J. Flathau, ST4:Aug 65:35:4427

Resonance Testing of Full-Scale Structures, Donald E. Hudson, EM3:Jun 64:1:3923

TR:130:655

Response of Structures to Triangular Pulse Loading, Tseng Huang, ST2:Apr 64:55:3862

TR:130:327

Ribless Folded Plates, Seng Lip Lee, Victor A. Pulmano, and T. J. Lin, ST1:Feb 65:253:4238

Role of Strain Hardening in Plastic Design, Maxwell G. Lay and Paul D. Smith, ST3:Jun 65:25:4355

Section Modulus of Beams with Unsymmetrical Cover Plates, Tom L. Underwood, CE:Mar 64:66

Dsc: John V. Rignani, CE:Jul 64:71

TR:130:286

Seismic Analysis of Bridges on Long Piles, Joseph Penzien, Charles F. Scheffey, and Richard A. Parmelee, EM3:Jun 64:223:3953

TR:130:321

Seismic Study of Arch Dams, J. Laginha Serafim and J. Oliveira Pedro, ST2:Apr 65:15:4284

Shear of Thin Plates with Flexible Edge Members, Eric R. Bryan and Wagih M. El-Dakhakhni, ST4:Aug 64:1:3991

TR:130:289

Shear Strength of High-Strength Bolts, James J. Wallaert and John W. Fisher, ST3:Jun 65:99:4368

Slenderness Effects in Buildings, Emilio Rosenblueth, ST1:Feb 65:229:4235

Stability of Elasto-Plastic Wide-Flange Columns, George F. Hauck and Seng-Lip Lee, ST6:Dec 63:297:3738

TR:130:94

Steel Deck Bridges with Long Rib Spans, Roman Wolchuk, CE:Feb 64:53

TR:130:115

Steel Fabrication Drawings by Computer, Alfred H. Palmer and Herbert T. Blomquist, CE:Feb 65:50

Dsc: Henry G. Hurd, CE:May 65:74, reply

by author, May 65:74

Strength and Behavior of Deep Beams in Shear, H. A. Rawdon de Paiva and Chester P. Sless, ST5:Oct 65:19:4496

Strength of Elastically Stabilized Beams, Robert W. Haussler, ST3:Jun 64:219:3951

TR:130:637

Strength of Round Steel Columns, Theodore V. Galambos, ST1:Feb 65:121:4219

Strength of Single-Story Steel Frames, Joseph A. Yura and Theodore V. Galambos, ST5:Oct 65:81:4507

Stress Analysis of Prestressed Suspended Roofs, Avinadav Siev and J. Eidelman, ST4:Aug 64:103:4008

TR:130:518

Stresses in a Uniformly Loaded Two-Layer Circular Plate, Martin A. Goldberg, Malcolm Newman, and Marvin J. Forray, EM3:Jun 65:13:4356

Stronger Structural Bolt—Will Cut Costs, Speed Construction, Fred E. Graves and William A. Milek, CE:Nov 64:48

TR:130:557

Structural Analysis of Multistory Buildings, Ray W. Clough, Ian P. King, and Edward L. Wilson, ST3:Jun 64:19:3925

TR:130:729

STRUCTURAL ENGINEERING Continued

Structural Maintenance--The Third Element in the Structural Engineer's Professional Package, T.C. Kavanagh and S.M. Johnson, CE: May 65:52

Structural Subassemblies Prevented from Sway, Victor Levi, George C. Driscoll, Jr., and Le-Wu Lu, ST5:Oct 65:103:4509

Structure Designs Governed by Limited Deformations, Jacob Solomon, ST6:Dec 63:71:3718
TR:130:477

Struts Carrying Nonuniform Axial Loads, Sabih Zaki Al-Sarraf and Arthur Bolton, ST3: Jun 65:247:4385

Studies of the Ductility of Steel Structures, Theodore V. Galambos and Maxwell G. Lay, ST4:Aug 65:125:4444

Survey of Current Structural Research: Progress Report of the Committee on Research, ASCE, John D. Hiltiwanger, Chmn, ST1:Feb 65: 13:4233

Teaching Engineering Attitude to Students, Malcolm S. Gregory, PP1:Jan 65:1:4189

Temperature Stresses in Tall Reinforced Concrete Buildings, Paul Weidlinger, CE:Aug 64:58
Dsc: Daniel Dicker, CE:Nov 64:73

TR:130:377
Test of a Ferro-Cemento Precast Folded Plate, Tekal Vishwanath, Ramkrishna P. Mhatre, and Kaveti Seetharamulu, ST6:Dec 65: 239:4583

Test of a Reinforced Concrete Flat Plate, David S. Hatcher, Mete A. Sozen, and Chester P. Siess, ST5:Oct 65:205:4514

Texas--Unusual Dome Awaits Baseball Season in Houston, Louis O. Bass, CE:Jan 65:63

Thermal Stresses due to Unequal Thermal Coefficients of Concrete and Reinforcing Steel, T.A. Holm, CE:Feb 65:63

Tilt and Deflections of Tapered Polygonal Towers, Ralph J. Pechunder, ST3:Jun 65:151: 4373

Torsional-Flexural Buckling of Thin-Walled Members, Alexander Chajes and George Winter, ST4:Aug 65:103:4442

Torsion of Structural Shapes, I.A. El Darwish and Bruce G. Johnston, ST1:Feb 65:203:4228

Tri-Diagonal Matrix Method for Complex Structures, B.E. Gatewood and Norik Ohanian, ST2:Apr 65:27:4291

Ultimate Strength Design for Highway Bridges, Howard L. Payne and Lamar H. Caldwell, ST5: Oct 65:43:4499

Vacuum-Cast Refractory Castables, David J. Damiano, ST5:Oct 64:85:4107

TR:130:539
Washington--Legacy of Galloping Gertie (Tacoma Narrows Bridge), Robert Goller, CE: Oct 65:50

Welded Bridge Girders, Omer W. Blodgett, CE:Jan 64:51
TR:130:27

Welded Constructional Alloy Plate Girders, P.B. Cooper, H.S. Lew, and B.T. Yen, ST1: Feb 64:1:3784

TR:130:123

What Is Available in Structural Aluminum, J. Robert Stemler and John W. Clark, CE:Apr 64:44

TR:130:213
Wind Loads on Basic Dome Shapes, F.J. Maher, ST3:Jun 65:219:4383

Wood Beams Prestressed with Bonded Tension Elements, John Peterson, ST1:Feb 65:103:4218
Yellowtail Dam on Big Horn River, Instrumented for Structural Behavior Studies, Keith Jones, CE:Nov 64:53

TR:130:567
Yielding of Uniformly Loaded Steel Members, Maxwell G. Lay, ST6:Dec 65:49:4580
Zero Sidesway of Rigid Frames, A.J. Celis and P. Glockner, ST5:Oct 63:65:3662

TR:130:19

STRUTS

Buckling Loads for Elastically Supported Struts, A. Raymond Toakley, EM3:Jun 65:205: 4379

Struts Carrying Nonuniform Axial Loads, Sabih Zaki Al-Sarraf and Arthur Bolton, ST3:Jun 65: 247:4385

SUBDIVISIONS

Aesthetic Design of Electric Distribution Lines, Thomas A. Betterworth, UP1:Jul 65:31:4400

SUBSIDENCE

Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531

TR:130:206
Validity of a Stochastic Model for Predicting Subsidence, Arnold L. Sweet, EM6:Dec 65:111: 4573

SUBSURFACE STRUCTURES

Avoiding Utility Interference Underground, Hertel Missimer, CE:Sep 65:36

SURVEYING

Aerial Traverse and Maximum Bridging Distance, Sandor A. Veres, SU3:Oct 63:157:3679
TR:130:211

Aerial Triangulation Using Independent Photo Pairs, Sandor A. Veres, SU2:Sep 65:27:4469
American Society of Civil Engineers Policy on the Registration of Engineers, and Position Paper with Respect to the Model Law: Report by the Committee on Registration of Engineers, ASCE, Edward E. Bigelow, Chmn, PP2:Sep 65: 11:4460

American Society of Photogrammetry and American Congress on Surveying and Mapping hold 1965 convention March 28 to April 3, CE: May 65:89

Dsc by Jack Dawson on four-legged tripod on CIVIL ENGINEERING cover, CE:May 65
Analogue Aerial Triangulation, Herbert S. Williams, SU2:Jul 64:49:3968

TR:130:245
Arctic Siting and Surveying, Max O. Laird, SU1:Apr 65:1:4287

California civil engineers and land surveyors defend their professional rights, CE:Mar 65:75

SURVEYING Continued

- Computation of Offsets from Curves, John J. Durkin, CE:Sep 64:67
 Dsc: Carl F. Meyer, CE:Nov 64:72; T.F. Hickerson, Nov 64:72; T.F. Hickerson, Feb 65:69
 Control Traverses and Their Adjustment, Everett D. Morse, SU2:Jun 63:39:3546
 TR:130:181
 Current Problems in Property Location, Ira M. Tillotson and Charles E. Snyder, SU2:Sep 65:1:4465
 Daylight Star Observations in Antarctica, Douglas R. Lee, SU2:Jul 64:75:3971
 TR:130:221
 Double Summation of Errors in Aerial Triangulation, Gordon Gracie, SU2:Sep 65:13:4467
 Electronics in Surveying, Edmond T. Miller, CE:May 65:29
 Generalized Resection Method in Surveying, K.C. Chakko, SU1:Apr 65:23:4290
 New Techniques for Very Accurate Measurement, Eugene H. Koenig, CE:Aug 64:41
 TR:130:358
 Optical Tooling for Precise Structural Measurements, Gerald C. Ward and John F. Ely, ST3:Jun 64:179:3944
 TR:130:225
 Photogrammetry and Highway Law, Morris M. Abrams, SU2:Jul 64:153:3989
 TR:130:191
 Planning and Design of Aerotriangulation Projects, Houssam M. Karara, SU2:Jul 64:117:3986
 TR:130:424
 Preserving Survey Monuments Despite Highway Construction, Winfield H. Eldridge, CE:May 65:40
 Dsc: Richard Mayer, CE:Sep 65:74
 Relationship of Offset Center Line to Given Base Line, Winslow T. Shearman, SU2:Sep 65:39:4479
 Simultaneous Relative Orientation of Multiple Cameras, Houssam M. Karara and Atef A. Elassal, SU2:Jul 64:109:3982
 TR:130:70
 Stadia--an Automatic Data Input Assembler for Topographic Surveys, Paul D. Spindel, CE:May 65:51
 Surveying and Mapping and Environmental Engineering, William T. Pryor, SU2:Jul 64:1:3961
 TR:130:631
 Surveyors' Footsteps, W.C. Wattles, SU3:Oct 63:1:3659
 TR:130:208
 Surveys and Maps for Industrial Growth, Earle J. Fennell, SU3:Oct 63:117:3673
 TR:130:671
 Vertical Control on the Great Lakes, Gilbert E. Ropes, SU1:Apr 65:35:4289
 Vertical Gradient of Gravity, Ivan I. Mueller, SU2:Jul 64:83:3975
 TR:130:235

SUSPENSION BRIDGES

- California--Second deck proposed for Golden Gate Bridge, CE:Nov 65:112

- France--Long suspension bridge to cross Garonne River at Bordeaux, CE:Oct 65:103
 Italy--Study of bridge between Italy and Sicily, CE:May 65:86
 New York--Verrazano-Narrows Bridge due to open in November, CE:May 64:82
 Venezuela--Suspension bridge to cross Orinoco River at Ciudad Bolivar, CE:Sep 65:88
 Verrazano-Narrows Bridge--Design Concepts and Construction Procedure, O.H. Ammann, CE:Dec 64:38
 TR:130:695
 Washington--Legacy of Galloping Gertie (Tacoma Narrows Bridge), Robert Goller, CE:Oct 65:50

TANKS

- Mounting Plate Glass in Sides of Flumes and Tanks, Elton F. Daly, CE:Jun 65:74
 Preloading Results in Tank Foundation Economies, Louis J. Goodman and Norbert E. Faltyn, COI:May 65:125:4335
 Storage Containers for Liquefied Natural Gas, P.J. Anderson and A.R. Khan, CE:Aug 65:65

TELESCOPES

- California--Huge radio telescope to be built at Caltech, CE:Apr 65:96
 Canada--Large radio telescope under construction in Montreal, CE:Jun 65:90

TELEVISION

- ASCE television program, "Metropolitan Planning and Design," scheduled, CE:Apr 65:84, May 65:80
 New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE:Mar 65:34
 New York--TV expedites traffic in Lincoln Tunnel, CE:Oct 65:105
 Yugoslavia--Belgrade gets new TV tower, CE:Sep 65:87

TERMINALS

- Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487
 TR:130:263
 Operations of the Supersonic Transport in the Terminal Area, Francis T. Fox, AT2:Oct 64:59:4102
 TR:130:581
 Transportation Centers, Wilbur S. Smith, UP1:Jul 65:19:4396

TESTING

- Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710
 TR:130:258
 Beam Column Experiments, Ralph C. Van Kuren and Theodore V. Galambos, ST2:Apr 64:223:3876
 TR:130:9
 Behavior of Fasteners and Plates with Holes, John W. Fisher, ST6:Dec 65:265:4587
 Boundary Layer Development and Spillway Energy Losses, Frank B. Campbell, Robert C. Cox, and Marden B. Boyd, HY3:May 65:149:4331

TESTING Continued

- British Grouting Practice on Granular Materials, William E. Perrott, SM6:Nov 65:57:4542
- Buckling of Longitudinally Stiffened Cylinders, Jeng C. Shang, Walter J. Marulic, and Roland G. Sturm, ST5:Oct 64:161:4115
- TR:130:667
- Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731
- TR:130:295
- Calibration Test of A490 High-Strength Bolts, Gordon H. Sterling, Emile W.J. Troup, Eugene Chesson, Jr., and John W. Fisher, ST5:Oct 65:279:4515
- California--Rapid-Transit Test Track for San Francisco, Leslie A. Irvin, CE:Aug 65:48
- Canal Discharge Measurements with Radio-isotopes, Jack C. Shuster, HY2:Mar 65:101:4258
- Capacity Tests in Large Concrete-Lined Canals, Paul J. Tilt, HY3:May 65:189:4337
- Channel Changes in the St. Clair River Since 1933, Ira M. Korkigian, WW2:May 63:1:3511
- TR:130:5
- Compartmentalization of Aeration Tanks, William F. Milbury, Wesley O. Pipes, and Robert B. Grieves, SA3:Jun 65:45:4362
- Consolidation of Normally Consolidated Clay, Laing Barden and Peter L. Berry, SM5:Sep 65:15:4481
- Coupled Vibrations of Thin-Walled Elastic Bars, Wai Keung Tso, EM3:Jun 65:333:4358
- Cylindrical Shells Under Ring Loads, Halil Halit Demir, ST3:Jun 65:71:4366
- Deflection of Circular Curved I Beams, Ross A. Close, ST1:Feb 64:203:3804
- TR:130:419
- Designing Specifications--A Challenge, Edward A. Abdun-Nur, CO1:May 65:29:4315
- Design of Concrete Multibeam Bridge Decks, Anthony R. Cusens and Ricardo P. Pama, ST5:Oct 65:255:4518
- Directional Spectra of Laboratory Wind Waves, Ismail El-Sayed Mobarek, WW3:Aug 65:91:4450
- Dynamic Behavior of Massive Guy Cables, Alan G. Davenport and George N. Steels, ST2:Apr 65:43:4293
- Effect of Large Alternating Strains on Steel Beams, Vitelmo V. Bertero and Egor P. Popov, ST1:Feb 65:1:4217
- Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz, SM5:Sep 65:1:4476
- Elastic Stability of Radially Nonhomogeneous Rings, S. Russell Keim, EM4:Aug 65:115:4447
- Engineering Properties of Simulated Lunar Soils, Eben Vey and John D. Nelson, SM1:Jan 65:25:4199
- Experimental Buckling of Thin Shells of Revolution, John J. Burns, Jr., EM3:Jun 64:171:3946
- TR:130:528
- Experiments on Stability on Spherical Caps, Ta-Cheng Loo and Ross M. Evan-Iwanowski, EM3:Jun 64:255:3956
- TR:130:69
- Fatigue of Joints in Aluminum Alloy 6061-T6, Glenn E. Nordmark and John W. Clark, ST6:Dec 64:35:4156
- TR:130:744
- Flexural Fatigue Tests of Prestressed Steel I-Beams, W. Daniel Reneker and Carl E. Ekberg, Jr., ST2:Apr 64:131:3868
- TR:130:561
- Flow Measurement with a Suspension Wire, Bruce B. Sharp, HY2:Mar 64:37:3821
- TR:130:467
- Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
- TR:130:271
- High-Strength Bolts Subjected to Tension and Shear, Eugene Chesson, Jr., Norberto L. Faustino, and William H. Munse, ST5:Oct 65:155:4512
- Hydraulic Design of Pump Intakes, Ralph T. Hattersley, HY2:Mar 65:223:4276
- Hydraulic Jump in All Shapes of Horizontal Channels, R. Silvester, HY1:Jan 64:23:3754
- TR:130:75
- Importance of Free Ends in Triaxial Testing, Peter W. Rowe and Laing Barden, SM1:Jan 64:1:3753
- TR:130:363
- Importance of Strain Hardening in Plastic Design, Alexander P. Brennikoff, ST4:Aug 65:23:4424
- In-Situ Strength Characteristics of Soft Clays, I. Noorany and H. Bolton Seed, SM2:Mar 65:49:4274
- Kinetics of Aerobic Removal of Organic Wastes, K. Keshavan, V.C. Behn, and W.F. Ames, SA1:Feb 64:99:3808
- TR:130:770
- Laboratory Investigation of Unstiffened Triangular Bracket Plates, Charles G. Salmon, Donald R. Buettner, and Thomas C. O'Sheridan, ST2:Apr 64:257:3879
- TR:130:436
- Lateral Pressure of Concrete on Formwork, R.L. Peurifoy, CE:Dec 65:60
- Load Transfer in a Step-Taper Pile, Elio D'Appolonia and John A. Hribar, SM6:Nov 63:57:3700
- TR:130:353
- Lunar Problems in Soil Engineering, Ronald F. Scott, SM1:Jan 65:1:4194
- Masonry Walls on Continuous Beams, Saky Rosenhaupt and Yehuda Sakal, ST1:Feb 65:155:4226
- Measurement of Ruffled Water Surface Elevation, A.J. Raudkivi, HY2:Mar 65:65:4254
- Michigan Study of Pile Driving Hammers, William S. Housel, SM5:Sep 65:37:4483
- Natural Roughness Effects in Rigid Open Channels, A.G. Mirajgaoker and K.L.N. Charlu, HY5:Sep 63:29:3630
- TR:130:544
- Permeability of Compacted Clay, James K. Mitchell, Don R. Hooper, and Richard G. Campenella, SM4:Jul 65:41:4392
- Plastic Behavior of Tubular Beam Columns, Timothy J. Dwyer and Theodore V. Galambos, ST4:Aug 65:153:4446

TESTING Continued

- Plastic Pipe for Water and Gas Distribution, R.I. Leininger, PL1:Jul 65:1:4404
- Pneumatic Reduction of Salt Intrusion Through Locks, G. Abraham and P. vander Burgh, HY1: Jan 64:83:3759
TR:130:166
- Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541
- Pore Water Pressures in Unsaturated Soils, Roy E. Olsen and Leonard J. Langfelder, SM4: Jul 65:127:4409
- Prediction of Pile Capacity by the Wave Equation, Paul W. Forehand and Joseph L. Reese, Jr., SM2:Mar 64:1:3820
TR:130:399
- Pressure Cell Observations—Garrison Dam Project, H.A. Sikso and C.V. Johnson, SM5: Sep 64:157:4023
TR:130:653
- Pressure Testing of Thick Reinforced Concrete Cell, Stanley H. Fistedis, ST2:Apr 64:31:3860
TR:130:324
- Pumping Test to Determine Permeability Ratio, Charles I. Mansur and Rudy J. Dietrich, SM4:Jul 65:151:4415
- Quality Control in Construction, W.O. Hiltabidle, Jr., Bradford N. Clark, Charles E. Schaffner, John Nelson Linn, Ralph E. De Simone, Arnold H. Vollmer, Elmer B. Isaak, Leslie D. Long, Richard Q. Praeger, Hal W. Hunt, CO1:May 65:141:4340
- Radial Drainage Oedometer for Laminated Clays, D.H. Sields and P.W. Rowe, SM1: Jan 65:15:4198
- Reinforcement Requirements for Girder Web Openings, Edmund P. Segner, Jr., ST3:Jun 64: 147:3919
TR:130:645
- Resonance Testing of Full-Scale Structures, Donald E. Hudson, EM3:Jun 64:1:3923
TR:130:655
- Runway Traction, Francis J. Rhody, AT2: Oct 65:51:4494
- Second Order Equation for BOD, James C. Young and John W. Clark, SA1:Feb 65:43:4232
- Sediment Transport in Supercritical Flow, Ralph W. Ansley, HY6:Nov 65:57:4533
- Settlement Analyses, A Review of Theory and Testing Procedures, H. Bolton Seed, SM2: Mar 65:39:4275
- Shear of Thin Plates with Flexible Edge Members, Eric R. Bryan and Wagih M. El-Dakhkhni, ST4:Aug 64:1:3991
TR:130:289
- Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691
TR:130:303
- Shear Strength of High-Strength Bolts, James J. Wallaert and John W. Fisher, ST3:Jun 65:99: 4368
- Shear Stress Pore Pressure in Triaxial Testing, G.E. Blight, SM6:Nov 65:25:4540
- Shock Waves in Granular Soil, Robert D. Stoll and Ibrahim A. Ebeldo, SM4:Jul 65:107: 4406

- Some Swelling Characteristics of Compacted Clays, James V. Parcher and Ping-Chuan Lin, SM3:May 65:1:4316
- Stability of Structures with Small Imperfections, John Roorda, EM1:Feb 65:87:4230
- Standard Penetration Test: Its Uses and Abuses, Gordon F.A. Fletcher, SM4:Jul 65:67:4395
- Strength and Behavior of Deep Beams in Shear, H.A. Rawdon de Paiva and Chester P. Siess, ST5:Oct 65:19:4496
- Stress-Strain Modulus of Clay in Undrained Shear, Charles C. Ladd, SM5:Sep 64:163:4039
TR:130:589
- Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
TR:130:110
- Study of Static Pressure Along a Rough Boundary, J.L. Chao and Virgil A. Sandborn, HY2: Mar 65:193:4269
- Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473
TR:130:215
- Test of a Ferro-Cemento Precast Folded Plate, Tekal Vishwanath, Ramkrishna P. Mhatre, and Kaveti Seetharamulu, ST6:Dec 65: 239:4583
- Test of a Reinforced Concrete Flat Plate, David S. Hatcher, Mete A. Sozen, and Chester P. Siess, ST5:Oct 65:205:4514
- Test of Cylindrical Shells in the Plastic Range, Giuliano Augusti and Salvatore d'Agostino, EM1: Feb 64:69:3802
TR:130:335
- The Hydraulic Jump as a Wall Jet, Nallamuthu Rajaratnam, HY5:Sep 65:107:4482
- The Nature of Damping in Sands, Bobby O. Hardin, SM1:Jan 65:63:4206
- The Use of Free Ends in Triaxial Testing of Clays, Laing Barden and J.W. McDermott, SM6:Nov 65:1:4535
- Welded Constructional Alloy Plate Girders, P.B. Cooper, H.S. Lew, and B.T. Yen, SA1: Feb 64:1:3784
TR:130:123

THERMOELECTRIC POWER GENERATION

- Georgia--River Bypass Boosts Efficiency of Power Plant on Chattahoochee River, CE:Nov 65:88

TIDES

- Simple Apparatus for Producing Model Tides, Johan Albert Zwamborn, HY2:Mar 65:39:4250
- Tidal Characteristics of Two Estuaries in Florida, William B. Stelzenmuller, WW3:Aug 65: 25:4431
- Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602
TR:130:563
- Yearly Sea Level Variations for the United States, Steacy D. Hicks and William Shofnos, HY5:Sep 65:23:4468

TILES

An Experiment on Flow Through Smooth Tile Joints, A.F. Pillsbury, E.H. Taylor, R.W. Pelishek, and J.F. Osborn, CE:Oct 64:67
TR:130:455

Tile Drainage Performance, Coachella Valley, California, Arthur F. Pillsbury, J.R. Spencer, William R. Johnston, and L.O. Weeks, IR2: Jun 65:14344

Transient Design of Drainage Systems, Jan van Schilffgaarde, IR3:Sep 65:9:4458

Two-Dimensional Infiltration and Wetting Fronts, Sadik Toksoz, Don Kirkham and E. Robert Baumann, IR3:Sep 65:65:4477

TIMBER CONSTRUCTION

Utah--A National Forest at Vernal Goes Modern, D.G. Dalley, CE:Sep 65:67

TIMBER (Structural)

ASCE Structural Division conference on wood held in Chicago, June 9-11, CE:Apr 65:84; Program, May 65:71

Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

TOPOGRAPHY

Daylight Star Observations in Antarctica, Douglas R. Lee, SU2:Jul 64:75:3971

TR:130:221

Stadia--an Automatic Data Input Assembler for Topographic Surveys, Paul D. Spindel, CE: May 65:51

TOPOLOGY

Network Analysis of Structures, Frank L. Di Maggio and William R. Spillers, EM3:Jun 65: 169:4376

TORSION

Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63: 17:3665

TR:130:85

Elastic Torsional Analysis of Irregular Shapes, Leonard R. Herrmann, EM6:Dec 65:11:4562

Torsion of Structural Shapes, I.A. El Darwish and Bruce G. Johnston, ST1:Feb 65:203:4228

TOWERS

A Study of Guyed Towers, John E. Goldberg and V. James Meyers, ST4:Aug 65:57:4438

Buckling of Three-Legged Columns with Batten Bracing, Jorge Y. Tamayo and Morris Ojalvo, ST1:Feb 65:141:4224

Canada--Ship-formed observation tower for Niagara Falls, CE:May 65:87

Deflection of tall guyed tower in Dallas, J.K. Groseclose, CE:Nov 64:68

Dsc, Jacob Feld, CE:Feb 65:67

TR:130:571

Dynamic Behavior of Massive Guy Cables, Alan G. Davenport and George N. Steels, ST2:Apr 65: 43:4293

Florida--Criteria for Construction in Creating Another Cape Kennedy Colossus, George H. Kirkland, CE:Oct 65:59

Steel Offshore Towers as Navigation Aids,

J.V. Ruffin, CE:Nov 65:72

The Bow Mooring for Berthing Tankers, Leonard E. Van Houten and G.A. McCammon, CE:Mar 64:60

TR:130:125

Tilt and Deflections of Tapered Polygonal Towers, Ralph J. Pschunder, ST3:Jun 65:151: 4373

Virginia--Construction of Chesapeake Light Station, John W. Fowler, CE:Nov 65:76

Virginia--Towers for a 500-kv Transmission Line, S.D. Alpert and J.D. Shaw, CE:Feb 65:52

Yugoslavia--Belgrade gets new TV tower, CE: Sep 65:87

TRACERS

Dispersion Measurement in Open Channels, Calvin C. Patterson and Earnest F. Gloyna, SA3:Jun 65:17:4347

Time of Travel of Soluble Contaminants in Streams, Thomas J. Buchanan, SA3:Jun 64:1: 3932

TR:130:669

TRAFFIC

Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6: Dec 63:1:3709

TR:130:498

Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Paul W. Shuldiner, EM6: Dec 63:97:3729

TR:130:346

Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724

TR:130:78

Deficiencies of Urban Transportation Studies, Roy E. Jorgensen, HW2:Dec 65:17:4568

Electronic Guidance for Highway Safety, John J. O'Mara, CE:Oct 64:38

TR:130:519

High Density Vehicular Flow/Density Relationships, Danilo M. Garcia and John Hugh Jones, HW2:Dec 65:37:4581

New York--TV expedites traffic in Lincoln Tunnel, CE:Oct 65:105

Traffic Accident Study on Milwaukee Expressway, Bruce A. Lind and H. Hong, HW1:Jan 65:25: 4205

TRANSIT SYSTEMS

Evaluating Urban Transportation Systems, George Haikalis and E. Wilson Campbell, CP1: Sep 63:1:3626

TR:130:479

TRANSMISSION LINES

Aesthetic Design of Electric Distribution Lines, Thomas A. Bettersworth, UP1:Jul 65:31:4400

Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53

TRANSMISSION LINES Continued

- Increasing the Efficiency of Helicopters on Transmission-Line Construction, E.S. Zobel and R.A. Kravitz, CE:Jun 64:72
 Dsc: L.H.J. Cook, CE:Sep 64:68
 TR:130:489
 Short Span Sag Calculations with Insulator Bells, Thomas E. Leland, POI:May 65:11:4317
 Virginia--Towers for a 500-kv Transmission Line, S.D. Alpert and J.D. Shaw, CE:Feb 65:52

TRANSPORTATION

- Airport Accessibility Affects Passenger Development, John F. Brown, AT1:Apr 65:47:4302
 Airports and Transit Systems--the Engineer's Challenge, J.K. Carr, CE:Apr 65:38
 Dsc: Herbert C. Westfall, CE:Jun 65:72
 ASCE Transportation Engineering Conference, Minneapolis, Minn., May 17-21, CE:Mar 65:42; Program, Mar 65:65; Report Jun 65:44
 Dsc: L.A. Moorhouse, CE:Sep 65:73
 ASCE Transportation Engineering Coordinating Committee recommends Technical Council on Urban Transportation, CE:Aug 65:95
 Civil Engineering in Urban Transportation Planning, Thomas J. Fratar, HW2:Dec 65:11:4560
 Comprehensive Urban Transportation Study Methods, Ralph A. Moyer, HW2:Dec 65:57:4575
 Deficiencies of Urban Transportation Studies, Roy E. Jorgensen, HW2:Dec 65:17:4568
 Designing the San Francisco Bay Area Rapid Transit System, William A. Bugge, Leslie Irvin, CE:Oct 64:58
 Dsc: W.A. Bugge, CE:Jan 65:83
 TR:130:559
 Engineering Principles of Urban Transportation Planning, Kurt W. Bauer, HW2:Dec 65:1:4559
 Evaluating Urban Transportation Systems, George Haikalis and E. Wilson Campbell, CP1: Sep 63:1:3626
 TR:130:479
 Factors Considered in Urban Transportation Planning, Charles G. Beer, HW2:Dec 65:51:4582
 Financing Urban Transportation, T.R. Todd and Robley Winfrey, HW2:Dec 65:89:4586
 Functional Planning of Bulk Material Ports, Leonard S. Oberman, WW2:May 65:17:4310
 Intercity Travel Characteristics, Ronald W. Pulling, AT1:Apr 65:1:4296
 Interstate = Benefits (Lives + Dollars), Frank Schneller, CE:May 65:33
 Long Range Potential of VTOL Aircraft, R.H. Miller, AT2:Oct 65:13:4487
 Meeting Future Surface Transportation Needs, Marshall F. Reed, Jr., HW2:Dec 65:27:4571
 Metropolitan Transportation Problem, Harland Bartholomew, UP1:Jul 65:7:4391
 New Ways to See Land Use and Transportation, J. Douglas Carroll, Jr., CE:Aug 64:62
 TR:130:365
 Planning Public Mass Transportation, Henry D. Quinby, HW1:Jan 65:15:4190
 Report on Engineering Foundation's Research Conference on Urban Transportation, Aug. 26-30, 1963, CE:Apr 64:34
 TR:130:201

- Transportation Centers, Wilbur S. Smith, UP1: Jul 65:19:4396

TRIANGULATION

- Double Summation of Errors in Aerial Triangulation, Gordon Gracie, SU2:Sep 65:13:4467
 Generalized Resection Method in Surveying, K.C. Chakko, SU1:Apr 65:23:4290

TRUSSES

- Analysis of Truss-Plate Structures, James W. Gillespie, ST2:Apr 65:129:4300
 Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

TUBES

- California--Under-water tube under construction for BARTD, CE:Oct 65:103
 Dynamic Response of a Tube Under Moving Pressure, Sing-chih Tang, EM5:Oct 65:97:4508
 Underground tube urged for high-speed Northeast travel CE:Sep 65:86

TUNNELING (Excavation)

- British Grouting Practice on Granular Materials, William E. Perrott, SM6:Nov 65:57:4542
 California--Joint-venture group has low bid for Carley V. Porter Tunnel, CE:Sep 65:82
 Colombia--Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Miraflores Dam, C.Y. Li, CE:Dec 64:51
 Dsc: by author, CE:Jun 65:72
 Colorado--Reclamation Firsts: Underground Power Plant at Morrow Point Dam, B.P. Bellport, CE:Feb 65:40
 Europe--Mont Blanc tunnel connects France and Italy, CE:Sep 65:90
 Europe--Work on Spanish-French tunnel under Pyrenees to begin, CE:Sep 65:88
 Machine Tunneling For Storm Sewer Under Houston, W.D. Murphy, CE:Sep 64:44
 TR:130:393
 Machine Tunneling in Chicago Clays, Robert S. Mayo, CE:Feb 64:60
 TR:130:160
 Machine Tunneling on Missouri River Dams, Lloyd B. Underwood, CO1:May 65:1:4314
 Scotland--Possible world tunneling record set in Mhoille aqueduct tunnel, CE:Jul 65:88
 Underground NORAD Command Center at Colorado Springs, Theodore O. Blaschke, CE: May 64:36
 TR:130:237
- TUNNELS (Transportation)**
 A Tunnel Favored for English Channel Crossing, John O. Bickel, CE:Jul 64:35
 TR:130:304
 Canada--Bridge-tunnel to connect New Brunswick and Prince Edward Island, CE:Sep 65:90
 Colorado--Exploratory tunnel driven through Continental Divide, CE:May 65:86
 Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Lavery and Klaus R. Ludwig, PO1:Sept 63:9:3642
 TR:130:416

TUNNELS (Transportation) Continued

Massachusetts--Tunnel under Boston's Prudential Center painted cheaply with epoxy. CE: Sep 65:89

New York--Lincoln Tunnel receives new pavement. CE:Jun 65:93

Stresses at Tunnel Intersections, William F. Riley, EM2:Apr 64:167:3875

TR:130:615

Subway Tunnel Construction in New York City, Gail B. Knight, CO2:Sep 64:15:4032

TR:130:503

The Amazing Pennsylvania Canals, W. H. Shank, CE:Jan 65:66

The Netherlands--Rotterdam's Rapid Transit Tunnel, Ir G. Plantema, CE:Aug 65:34

Virginia--Chesapeake Bay Bridge-Tunnel project given ASCE's OCEA Award. CE:May 65:44

TURBINES

Arkansas--Turbines ordered for Ozark Dam project on Arkansas River, CE:Nov 65:116

Flow Measurements at Columbia River Power Plants, Nicholas A. Dodge, HY2:Mar 65:125: 4263

TURBULENCE

Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadara-julu, SM5:Sept 63:1:3631

TR:130:474

Secondary Currents in a Corner, James A. Liggett, Chao-Lin Chiu, and Ling S. Miao, HY6: Nov 65:99:4538

Submerged Hydraulic Jump, Nallamuthu Rajaratnam, HY4:Jul 65:71:4403

Turbulence Measured by Electrokinetic Transducers, Hsing Chuang and Jack E. Cermak, HY6:Nov 65:1:4526

Turbulent Flow in a Three-Dimensional Channel, Hubert J. Tracy, HY6:Nov 65:9:4530

Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6: Nov 65:37:4532

Wind Driven Water Currents, W. Douglas Baines and Douglas J. Knapp, HY2:Mar 65:205: 4270

UNDERGROUND STORAGE

Storage Containers For Liquefied Natural Gas, P.J. Anderson and A.R. Khan, CE:Aug 65:65

UNDERPASSES

Colorado--70-ft Underpass of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84

UNDERWATER CONSTRUCTION

Criteria for Planning an Offshore Pipeline, Joe L. Krieger, PL1:Jul 65:15:4407

UNION OF SOVIET SOCIALIST REPUBLIC

Regulation of the Caspian Sea, Otakar W. Kabelac, WW1:Feb 64:103:3794

TR:130:609

UNIONS

Collective Bargaining for Municipal Engineers, Herman P. Zanolini, CE:Sep 65:50

To Bargain or Not to Bargain, E. Lawrence Chandler, CE:Aug 65:41

UNITED ENGINEERING TRUSTEES

Officers elected for coming year, CE:Feb 65:72

URBAN DEVELOPMENT

Aesthetic Considerations in City Construction, Vernon F. Jorgensen, UP1:Jul 65:1:4389

Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE:May 65:62

Illinois--First National Bank Building to be built in Chicago Loop, CE:Oct 65:105

Maryland--Baltimore wins honors for urban renewal, CE:Feb 65:83

Massachusetts--Boston dedicates Prudential Center, CE:Jun 65:91

URBAN PLANNING

Aesthetic Considerations in City Construction, Vernon F. Jorgensen, UP1:Jul 65:1:4389

Aesthetic Design of Electric Distribution Lines, Thomas A. Battersworth, UP1:Jul 65:31:4400

Airports and Transit Systems--the Engineer's Challenge, J.K. Carr, CE:Apr 65:38

Dsc: Herbert C. Westfall, CE:Jun 65:72

ASCE Committee on Land Use plans ASCE publication on urban planning, CE:Jul 65:80

ASCE Urban Planning and Development Division conference, San Juan, Puerto Rico, Oct. 28-29, Program, CE:Sep 65:70

Avoiding Utility Interference Underground, Hertel Missimer, CE:Sep 65:36

California--San Francisco's Golden Gateway development (a symposium): M. Justin Herman, William W. Moore, Stanley E. Teixeira, Don Gillis, CE:Jan 64:31

TR:130:17

Civil Engineering in Urban Transportation Planning, Thomas J. Fratar, HW2:Dec 65:11: 4560

Comprehensive Urban Transportation Study Methods, Ralph A. Moyer, HW2:Dec 65:57:4575

Designing the San Francisco Bay Area Rapid Transit System, William A. Bugge, Leslie Irvin, CE:Oct 64:58

TR:130:559

Engineering Principles of Urban Transportation Planning, Kurt W. Bauer, HW2:Dec 65: 1:4559

Factors Considered in Urban Transportation Planning, Charles G. Beer, HW2:Dec 65:51:4582

Financing Urban Transportation, T.R. Todd and Robley Winfrey, HW2:Dec 65:89:4586

Jackson, Miss. in 2039 A.D., CE:Apr 65:59

Dsc: George C. Stewart, CE:Jul 65:75

Meeting Future Surface Transportation Needs, Marshall F. Reed, Jr., HW2:Dec 65:27:4571

Metropolitan Transportation Problem, Harland Bartholomew, UP1:Jul 65:7:4391

New Ways to See Land Use and Transportation, J. Douglas Carroll, Jr., CE:Aug 64:62

TR:130:365

URBAN PLANNING Continued

Planning a National Airport System to Serve the 70's, Cole Morrow, CE:Aug 65:62

Planning Public Mass Transportation, Henry D. Quinby, HW1:Jan 65:15:4190

Rapid transit concept takes form at U.S. Steel, CE:Oct 65:104

The Civil Engineer in Urban Planning, W.H. Wisely, CE:Dec 64:37

Dsc, CE:Feb 65:67; William L. Greco, Mar 65:64; Felipe U. Derteano, Apr 65:80;

Ralph Gakenheimer, Apr 65:80

TR:130:723

Transportation Centers, Wilbur S. Smith, UP1: Jul 65:19:4396

Urban Atmospheric Pollution, Albert F. Bush, CE:May 65:66

Dsc: Herbert E. Clark, Jr., CE:Jul 65:76;

M.I. Goldman, CE:Aug 65:74; Author's reply, Aug 65:75

User Criteria for Rapid Transit Planning, Paul J. Claffey, UP1:Sep 64:5:4029

TR:130:360

U. S. AIR FORCE

Underground NORAD Command Center at Colorado Springs, Theodore O. Blaschke, CE:May 64:36

TR:130:237

U. S. BUREAU OF RECLAMATION

California--USBR establishes Fresno office for Westlands Water District irrigation-distribution system, CE:Jun 65:95

Montana--Yellowtail Dam to be completed in spring of 1966, CE:Nov 65:112

U. S. GOVERNMENT

A New and Better Foreign Technical Assistance Program, John S. Hale, CE:Jul 65:62

Dsc: I. Khwaja, CE:Oct 65:80

U. S. NAVY

Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47

Cuba--Seawater conversion plant for

Guantanamo Naval Base, CE:Apr 65:99

Military Engineering in Vietnam, Peter A.

Corradi, CE:Nov 65:47

New Chief of Bureau of Yards and Docks appointed, CE:Oct 65:105

UTAH

Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz, SM5:Sep 65:1:4476

UTILITIES

Aesthetic Design of Electric Distribution Lines, Thomas A. Bettersworth, UP1:Jul 65:31:4400

Alaska--Utilities for a Relocated Town in

Valdez, James W. Poirot, CE:Mar 65:50

Avoiding Utility Interference Underground,

Hertel Missimer, CE:Sep 65:36

Canada--Winnipeg Favors Utility Construction in Winter, W.S. Brock, CE:Jul 65:66

Electric utilities plan large construction program in Middle Atlantic states, CE:Apr 65:98

Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487

TR:130:263

Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622

TR:130:635

VALVES

Navigation Locks: Navigation Lock Gates and Valves, George C. Richardson, WW1:Feb 64:

79:3799

TR:130:394

VELOCITY

Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646

TR:130:382

Horizontal Jets in Stagnant Fluid of Other Density, Gerrit Abraham, HY4:Jul 65:139:4411

Shear and Velocity Distribution in Shallow Channels, H. Lundgren and Ivar G. Jonsson, HY1:Jan 64:1:3752

TR:130:693

Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6:

Nov 65:37:4532

Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

TR:130:1

Von Mises Transformation for Boundary Layer Theory, Chieh-Shyang Song, EM2:Apr 64:17:3861

TR:130:239

VERTICAL TAKE-OFF PLANES

Long Range Potential of VTOL Aircraft, R.H. Miller, AT2:Oct 65:13:4487

VIBRATION

Aeroelastic Vibration of a Steel Arch, Richard R. Bradshaw, ST3:Jun 64:1:3921

TR:130:319

Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J.C.

McCraw, CE:Nov 65:70

Dynamic Response of a Tube Under Moving

Pressure, Sing-chih Tang, EM5:Oct 65:97:4508

Dynamic Stability of Axially Vibrating Columns,

I.K. McIvor, EM6:Dec 64:191:4177

TR:130:714

Experiences with Flow-Induced Vibrations, William P. Simmons, HY4:Jul 65:185:4414

Flow-Induced Structural Vibrations, Gerrit H. Toebes, EM6:Dec 65:39:4564

Flow-Induced Vibrations--Experience of TVA

with Hydraulic and Other Structures, James T.

Price, CE:Apr 65:61

Form-Induced Hydraulic Forces on Three-Leaf Intake Gates, Rex A. Elder and Jack M. Garrison, HY3:May 64:215:3905

TR:130:771

Free Vibrations of Conical Shells, V.I.

Weingarten, EM4:Aug 65:69:4440

Lumping of Mass in Calculating Vibration

Response, V.H. Neubert, EM1:Feb 64:47:3801

TR:130:219

VIBRATION Continued

On a Kind of Hysteretic Damping, Emilio Rosenbluth and Ismael Herrera, EM4:Aug 64: 37:3999

TR:130:521

On the Shock Response of Inelastic Beams, Kenneth E. Blanchard and Albert B. Schultz, EM5:Oct 65:27:4500

Random Vibration of a Beam Column, Masanobu Shinozuka and L. Henry, EM5:Oct 65:123:4510

Resonance Testing of Full-Scale Structures, Donald E. Hudson, EM3:Jun 64:1:3923

TR:130:655

Response of Structures to Triangular Pulse Loading, Tseng Huang, ST2:Apr 64:55:3862

TR:130:327

Vibrational Transfer from Shear Buildings to Ground, Lydik S. Jacobsen, EM3:Jun 64:21:3924

TR:130:691

Vibration of Gas Compressor Foundation Controlled by Chemical Grouting, Gregory P. Tschibotarioff, CE:May 64:34

TR:130:253

Vibrations and Stability of Buckled Panels, Yao W. Chang and Ernest F. Masur, EM5: Oct 65:14497

VISCOSITY

Added Mass of a Sphere in a Bounded Viscous Fluid, Kenneth G. McConnell and Donald F. Young, EM4:Aug 65:147:4448

Slow Viscous Flow of an Incompressible Suspension, Gerhard Oertel, EM5:Oct 65:145:4517

Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6: Nov 65:37:4532

VOCATIONAL GUIDANCE

Review of book, "A Definitive Study of Your Future in Civil Engineering," by Alfred R. Golze, CE:Jan 65:39

WALLS

National Brick and Tile Bearing Wall Conference advocates bearing walls, CE:Jul 65:84

WAREHOUSES

Alternate Design Proves Economy of Precast Prestressed Design for Seattle Pier Shed, Wheeler H. Rucker, Jr., CE:May 64:42

TR:130:231

Composite Design Cuts Cost of Small Warehouse, Edward B. Finkel, CE:Aug 65:46

Paving Roof Decks and Industrial Floors, Lansing Tuttle, CE:Jul 64:58

TR:130:301

Sweden--Building Foundation Built as a Caisson for Port Storage in Stockholm, Hal W. Hunt, CE:Jan 65:60

WASTE DISPOSAL

An Oxidation Pond as a Tertiary Treatment Device, Raymond C. Loehr and Ralph L. Stephenson, SA3:Jun 65:31:4351

Closed Ecological Systems, William J. Oswald, Clarence G. Golueke, and D.O. Horning, SA4: Aug 65:23:4445

Compartmentalization of Aeration Tanks, William F. Milbury, Wesley O. Pipes, and Robert B. Grieves, SA3:Jun 65:45:4362

Conference of State Sanitary Engineers releases report on municipal waste treatment needs, CE:Sep 65:89

Environmental Hazards of Radioactive Wastes, Joe O. Ledbetter, SA1:Feb 65:59:4237

Evaluation of Two Aerated Lagoons, Ross E. McKinney and Henry H. Benjes, Jr., SA6: Dec 65:43:4589

Hog Waste Disposal by Lagooning, Charles E. Clark, SA6:Dec 65:27:4567

Inclination (Symposium): Lenard S. Wegman, Junius W. Stephenson, Robert L. Stenborg, Harold G. Meissner, CE:Sep 64:35

TR:130:491

Lightweight Aggregate Prepared from Fly Ash by Consolidated Edison in New York City, A.S. Pearson, CE:Sep 64:50

TR:130:411

WASTES

Heat Generation by Radioactive Wastes, Earnest F. Gloyna, H.J. Longley, and C.W. Christenson, SA1:Feb 64:43:3793

TR:130:636

Two-Dimensional Infiltration and Wetting Fronts, Sadik Toksoz, Don Kirkham, and E. Robert Baumann, IR3:Sep 65:65:4477

WATER

Federal Versus State Interests in Water Development, Harvey O. Banks, IR1:Mar 65:31:4246

Water Management on Ricelands in Louisiana, Lester F. Lawhon and Louis W. Herndon, IR4: Dec 65:23:4569

WATER CONSUMPTION

Effects of Competition on Efficiency of Water Use, Jay M. Bagley, IR1:Mar 65:69:4252

WATER DISTRIBUTION

A Solution of the Irrigation Advance Problem, Otto Wilke and Ernest T. Smerdon, IR3:Sep 65: 23:4471

Desirable Features of Water Rights Laws, Dan S. Jones, Jr., IR4:Dec 63:1:3711

TR:130:512

Effects of Competition on Efficiency of Water Use, Jay M. Bagley, IR1:Mar 65:69:4252

WATER FLOW

A Simple Method for Determining Water-Surface Profiles J.F. Harp, CE:Oct 65:85

Computer Analysis of Overland Flow, James R. Morgali and Ray K. Linsley, HY3:May 65:81: 4325

Experiences with Flow-Induced Vibrations, William P. Simmons, HY4:Jul 65:185:4414

Flow Measurement with a Suspension Wire, Bruce B. Sharp, HY2:Mar 64:37:3821

TR:130:467

Great Lakes--Corps of Engineers begins "oceanography" studies, CE:Nov 65:116

Irrational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591

WATER FLOW Continued

Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631

TR:130:474

New York--Study of Hudson River river-flow and salt-content begun, CE:Nov 65:115

Practical Computations of Bed-Material Discharge, Bruce R. Colby, HY2:Mar 64:217:3843

TR:130:383

River Flood Flows, Forecasts and Probabilities, Michael C. Quick, HY3:May 65:1:4312

Secondary Currents in a Corner, James A. Liggett, Chao-Lin Chiu, and Ling S. Miao, HY6:

Nov 65:99:4538

Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692

TR:130:110

Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574

TR:130:299

Unsaturated Flow in Ground Water Hydraulics, Herman Bouwer, HY5:Sep 64:121:4057

TR:130:593

Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

TR:130:1

Water Right Engineering Under Appropriation System, Kenneth R. Wright, IRI:Mar 64:9:3818

TR:130:280

Withdrawal from Two-Layer Stratified Flows, Donald R.F. Harleman and Rex A. Elder, HY4:

Jul 65:43:4398

TR:130:280

Withdrawal from Two-Layer Stratified Flows, Donald R.F. Harleman and Rex A. Elder, HY4:

Jul 65:43:4398

TR:130:280

Pressure Generated by Cavitation in a Pipe, Wen-Hsiung Li and James P. Walsh, EM6:Dec 64:113:4168

TR:130:789

Rigid Water Column Theory for Uniform Gate Closure, Harold R. Valentine, HY4:Jul 65:27:

4386

Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Water-Hammer Charts for Centrifugal Pump Systems, Hitoshi Kinno and John F. Kennedy, HY3:May 65:247:4343

TR:130:1

Report of 38th Annual Convention of WPCF, Atlantic City, N.J., Oct. 10-14, CE:Dec 65:84
Washington--Seattle's Record-Breaking Sewage-Treatment System, Fred E. Lange, CE:Mar 65:31

WATERPROOFING

Waterproofing below the Ground Line, Thaddeus R.L. Lazarr, CE:Jun 65:73

WATER QUALITY

A Lake's Response to Its Environment, Robert O. Sylvester and George C. Anderson, SA1:Feb 64:1:3786

TR:130:11

Arizona--Contract let for channel to solve salinity problem at Wellton-Mohawk District, CE:Jul 65:84

Computer Simulation of Estuarial Networks, Robert P. Shubinski and James C. McCarty, HY5:

Sep 65:33:4470

Folklore in Water Quality Standards, P.H. McGahey, CE:Jun 65:70

Future Quantity and Quality of Colorado River Water, Raymond A. Hill, IRI:Mar 65:17:4244

Lost River System-A Water Quality Management Study, Gerald T. Orlob and Philip C. Woods, HY2:Mar 64:1:3815

TR:130:87

New York--Study of Hudson River river-flow and salt-content begun, CE:Nov 65:115

Operating a Sea Water Barrier Project, Arthur E. Brington and Frederick D. Seares, IRI:

Mar 65:117:4264

Predictive Techniques for Water Quality-Inorganics, Joe E. Ledbetter and Earnest F. Gloyna, SA1:Feb 64:127:3810

TR:130:193

Progress in Waste Water Re-Use in Southern California, John D. Parkhurst, IRI:Mar 65:79:

4253

U.S. and Mexico agree on salinity problem, CE:May 65:85

Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637

TR:130:57

Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

TR:130:57

WATER RESOURCES Continued

Economics of Ground-Water Recharge, David K. Todd, HY4:Jul 65:249:4418

Evaluation of Recreation in Water Developments, William M. White, POI:May 65:1:4306
Federal Versus State Interests in Water Development, Harvey O. Banks, IRI:Mar 65:31:
Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63: 67:3702

TR:130:24

Future Quantity and Quality of Colorado River Water, Raymond A. Hill, IR:Mar 65:17:4244
Ground-Water Management for the Nation's Future—Water Resources Management Through Ground-Water Basin Operation, Lloyd C. Fowler, HY4:Jul 64:51:3985

TR:130:725

Irrigation in India: Past and Present, Asit K. Biswas, IRI:Mar 65:179:4277

New quarterly, "Water Resources Research," to begin publication in 1965, CE:Jan 65:100

Northeastern states to coordinate water resources research, CE:Nov 65:116

Nuclear Craters for Water Resources Development and Management, David K. Todd, CE:Jun 65:64

Role of Government on Water Resource Development, Ayers Brinsler, IR4:Dec 65:13:4558
Sequential Generation of Rainfall and Runoff Data, Ven Te Chow and S. Ramaseshan, HY4: Jul 65:205:4416

Use of Interrelated Records to Simulate Streamflow, Leo R. Beard, HY5:Sep 65:13:4463
Water for the World, M.D. Morris, William E. Wood, James J. Geraghty, James Gould, Gordon R. Williams, Donald F. Ohmer, Donald R. Lueder, Malcolm Pirnie, Jr., and Arthur C. Ford, SA1:Feb 65:1:4220

Water Resources Planning for the Delaware Basin, Russell Morgan, HY5:Sep 65:65:4475

WATER SUPPLY

Atomic power recommended for California Water Project, CE:Jan 65:100

California--California Water Project, Power Plans and Demands, Alfred R. Golze, CE:Feb 65:35

California--Planning and Anchoring 12 Miles of Big Pipe for Santa Clara County, M.K. Harris, CE:Jun 65:61

California--Steel Pipe for South Bay Aqueduct, Alfred R. Golze, CE:Mar 65:36

Combination Water Systems for High-Rise Buildings, G.D. Testin, CE:Apr 65:65

East Pakistan--Master Plan for Water and Power Development, Ernest M. Bowles, CE:Aug 65:56

Hawaii--Unique water system for Sea Life Park, CE:Mar 65:85

Indus-Valley--West Pakistan's Life Line, Alexander Karpov, HY1:Jan 64:207:3774

TR:130:509

Nuclear reactor for 200-Mgd desalting plant developed for AEC, CE:Oct 65:103

Optimum Design of Multi-Purpose Reservoirs, Warren A. Hall, HY4:Jul 64:141:3972

TR:130:762

Oregon--American Water Works Association holds annual conference June 27-July 2, CE:Aug 65:102

Report on International Water Quality Symposium in Washington, D.C., in Aug., CE:Nov 65:114

Separation of Evapotranspiration and Deep Percolation, Lyman S. Willardson and Wendell L. Pope, IR3:Sept 63:77:3638

TR:130:55

Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:63:7:3714

TR:130:446

Water Renovation--Some Advanced Treatment Processes, David G. Stephan, CE:Sep 65:46

Water Supply for Saigon, Walter T. McPhee, CE:Sep 65:58

WATER TABLES

Transient Design of Drainage Systems, Jan van Schilfgaarde, IR3:Sep 65:9:4458

WATER TREATMENT

Folklore in Water Quality Standards, P.H.

McGauhey, CE:Jun 65:70

Pennsylvania--Philadelphia completes Belmont Plant, third in long-range program, CE:Dec 65: 87

Progress in Waste Water Re-Use in Southern California, John D. Parkhurst, IRI:Mar 65:79: 4253

Research on Variables Affecting Filtration, Kenneth J. Ives and Ihsan Sholji, SA4:Aug 65:1: 4436

Spain--Water treatment plant to be built for Madrid, CE:Jun 65:95

USPHS and District of Columbia to study waste water purification, CE:Aug 65:105

Water Purification by Forced-Flow Electrophoresis, Fredrick C. Cooper, Quentin M. Mees, and Milan Bier, SA6:Dec 65:13:4557

Water Renovation--Some Advanced Treatment Processes, David G. Stephan, CE:Sep 65:46

Water Supply for Saigon, Walter T. McPhee, CE:Sep 65:59

Whittier Narrows Water Reclamation Plant, John D. Parkhurst and Walter E. Garrison, CE:Sep 64:60

TR:130:499

WATER TUNNELS

Factors Influencing Flow in Large Conduits:

Report of the Task Force on Flow in Large Conduits of the Committee on Hydraulic Structures, ASCE, Frederic L. Lawton, Chmn, HY6:Nov 65:123:4543

U.S. Bureau of Reclamation tunnels under the continental divide for water conduit, CE:Mar 65: 83

WATERWAYS

A Study on Refraction of Waves in Prismatic Channels, Khalil I. Beitinjani and Ernest F. Brater, WW3:Aug 65:37:4434

Beach Nourishment from Offshore Sources, Herbert C. Gee, WW3:Aug 65:1:4428

WATERWAYS Continued

Cellular Concrete Block Revetment, Donald A. Parsons and Robert P. Apmann, WW2:May 65: 27:4311

Channel Changes in the St. Clair River Since 1933, Ira M. Korkigian, WW2:May 63:1:3511
TR:130:5

Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works, ASCE, Harvill E. Weller, Chmn, WW1: Feb 65:7:4236

Control of Obnoxious Aquatic Plants in the Southeast, Otis M. Jernigan, Angelo Tabita, and William E. Wunderlich, WW4:Nov 65:31:4536

Control Structures for Sand-Bed Channels, Frederick C. Stepanich, Daryl B. Simons, and Everett V. Richardson, WW2:May 64:1:3895
TR:130:485

Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63:67: 3702
TR:130:24

Foreshore Protection, Lower Mississippi River, Rudolf Hertzberg, WW2:May 65:1:4305
How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1: 3690
TR:130:641

Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29: 3699
TR:130:625

Influence of Soil Types on Stabilization of the Savannah River, William J. Wall, WW3:Aug 65: 7:4430

Inland Water Transportation in Poland, Fryderyk Tomala, WW1:Feb 65:1:4231
Irregular Wave Forces on a Pile, Willard J. Pierson, Jr. and Patrick Holmes, WW4:Nov 65: 1:4528

Long Wave Modification by Linear Transitions, Robert G. Dean, WW1:Feb 64:1:3787
TR:130:689

Navigation Locks: End Filling and Emptying Systems for Locks, Fred R. Brown, WW1:Feb 64:61:3792
TR:130:651

Navigation Locks: Filling and Emptying Systems for Locks, Martin E. Nelson and Harvey J. Johnson, WW1:Feb 64:47:3789
TR:130:398

Navigation Locks: Navigation Lock Gates and Valves, George C. Richardson, WW1:Feb 64: 79:3799
TR:130:394

Navigation Locks: TVA's Multiport Lock Filling and Emptying System, Rex A. Elder, James T. Price, and Ward W. Engle, WW1:Feb 64:31:3788
TR:130:379

Pneumatic Reduction of Salt Intrusion Through Locks, G. Abraham and P. vander Burgh, HY1: Jan 64:83:3759
TR:130:166

Regulation of the Caspian Sea, Otakar W. Kabelac, WW1:Feb 64:103:3794
TR:130:609

Stability of Channels by Armorplating, Dasel E. Hallmark and George L. Smith, WW3:Aug 65: 117:4452

The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523
TR:130:471

Tidal Characteristics of Two Estuaries in Florida, William B. Stelzenmuller, WW3:Aug 65: 25:4431

Water Resources Problems Generated by Obnoxious Plants, Francis J. Guscio, Thomas R. Bartley, and Arthur N. Beck, WW4:Nov 65:47: 4537

WATER WORKS

AWWA holds annual conference June 27-July 2, CE:Aug 65:102

AWWA nominates new officers, CE:Mar 65:83

WAVES

A Study on Refraction of Waves in Prismatic Channels, Khalil I. Beitinjani and Ernest F. Brater, WW3:Aug 65:37:4434

Critical Analysis of Open-Channel Resistance, Hunter Rouse, HY4:Jul 65:1:4387

Directional Spectra of Laboratory Wind Waves, Ismail El-Sayed Mobarek, WW3:Aug 65:91:4450
Dynamic Response of a Lined Rigid Inclusion, Shui Ho and Robert J. Hansen, EM5:Oct 65:155: 4521

Irregular Wave Forces on a Pile, Willard J. Pierson, Jr. and Patrick Holmes, WW4:Nov 65: 1:4528

Long Wave Modification by Linear Transitions, Robert G. Dean, WW1:Feb 64:1:3787
TR:130:689

Pore Air Pressure in Soil Subjected to Shock Waves, Delon Hampton, SM6:Nov 65:41:4541

Prediction of Pile Capacity by the Wave Equation, Paul W. Forehand and Joseph L. Reese, Jr., SM2:Mar 64:1:3820
TR:130:399

Shock-Induced Stress Wave Propagation in Sand, Ernest T. Selig and Eben Vey, SM3:May 65:19: 4332

Shock Waves in Granular Soil, Robert D. Stoll and Ibrahim A. Ebeido, SM4:Jul 65:107:4406
Small-Craft Harbor Problems, Charles E. Lee, WW3:Aug 64:1:4015
TR:130:647

Travel Time of Waves in Backwaters, Andrew L. Simon, HY6:Nov 63:1:3689
TR:130:84

Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565
TR:130:1

Wave Forces on Piling for Narrow-Band Spectra, Leon Emry Borgman, WW3:Aug 65: 4241
Wave-Induced Oscillations in Harbors, Frederic Raichlen and Arthur T. Ippen, HY2:Mar 65:1: 4241

Wave Propagation in Elastic-Plastic Solids, R. L. Bjork and C.Y. Liu, EM5:Oct 65:77:4506

WEIRS

New Type Weir Construction for Small Water-sheds, Neal E. Minshall and Ralph G. Spomer, IR1:Mar 65:11:4243

WELDING

Concept of Tubular-Joint Design, Jack G. Bouwkamp, ST2:Apr 64:77:3864

TR:130:507

Die Cutting Cuts Cost of Open-Web Steel Beams, Leonard Kates, CE:Jul 64:40

TR:130:313

Missouri--Arc Welding Speeds Construction of Springfield Office Building, Rudolph F. Fischl and Georg Klatte, CE:Feb 65:60

New weld pipe mill produces long line pipe, CE:Jan 65:98

New York--Two New York City buildings joined by welding, CE:Feb 65:65

Relief of Residual Stresses by Heating Patterns, T. H. Lin and Leslie M. Lackman, EM3:Jun 64: 87:3937

TR:130:675

Section Modulus of Beams with Unsymmetrical Cover Plates, Tom L. Underwood, CE:Mar 64: 66

Dsc: John V. Rignani, CE:Jul 64:71

TR:130:286

The New Welding Code for Buildings, Arsham Amirikian, CE:Aug 64:56

TR:130:396

Welded Bridge Girders, Omer W. Blodgett, CE:Jan 64:51

TR:130:27

Welding Codes Updated, addenda issued to AWS Building Code and Bridge Specification, CE:May 65:69

WELLS

Boundary Flow Considerations in the Design of Wells, Mostafa M. Soliman, IR1:Mar 65:150:4272

Exact Free Surface of Gravity Wells, Abdel-Aziz I. Kashef, HY4:Jul 65:167:4413

Indus-Valley--West Pakistan's Life Line, Alexander Karpov, HY1:Jan 64:207:3774

TR:130:509

Operating a Sea Water Barrier Project, Arthur E. Bruington and Frederick D. Seares, IR1: Mar 65:117:4264

Simplified Solution for Decreasing Flow in Wells, Gert Aron and Verne H. Scott, HY5: Sep 65:1:4459

Supplement to Peterson's Design of Replenishment Wells, Mahdi S. Hantush, IR1:Mar 64:67: 3838

TR:130:101

WIND (Air Movement)

Directional Spectra of Laboratory Wind Waves, Ismail El-Sayed Mobarek, WW3:Aug 65:91:4450

Guam Typhoon Tears Out Hospital Windows, Harold V. Ehlers, CE:Jul 64:56

Dsc: Donald F. Roberts, CE:Nov 64:71;

James W. Darling, Mar 65:63

Sediment Transportation Mechanics: Wind Erosion and Transportation: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:267:4261

Wind Driven Water Currents, W. Douglas Baines and Douglas J. Knapp, HY2:Mar 65:205: 4270

Wind Loads on Basic Dome Shapes, F. J. Maher, ST3:Jun 55:219:4383

WINDOWS

Guam Typhoon Tears Out Hospital Windows, Harold V. Ehlers, CE:Jul 64:56

Dsc: Donald F. Roberts, CE:Nov 64:71;

James W. Darling, Mar 65:63

WRITING

Criteria for Acceptability of Papers: Report of the Committee on Publications of the Soil Mechanics and Foundations Division, ASCE, R. V. Whitman, Chmn, SM3:May 65:51:4326

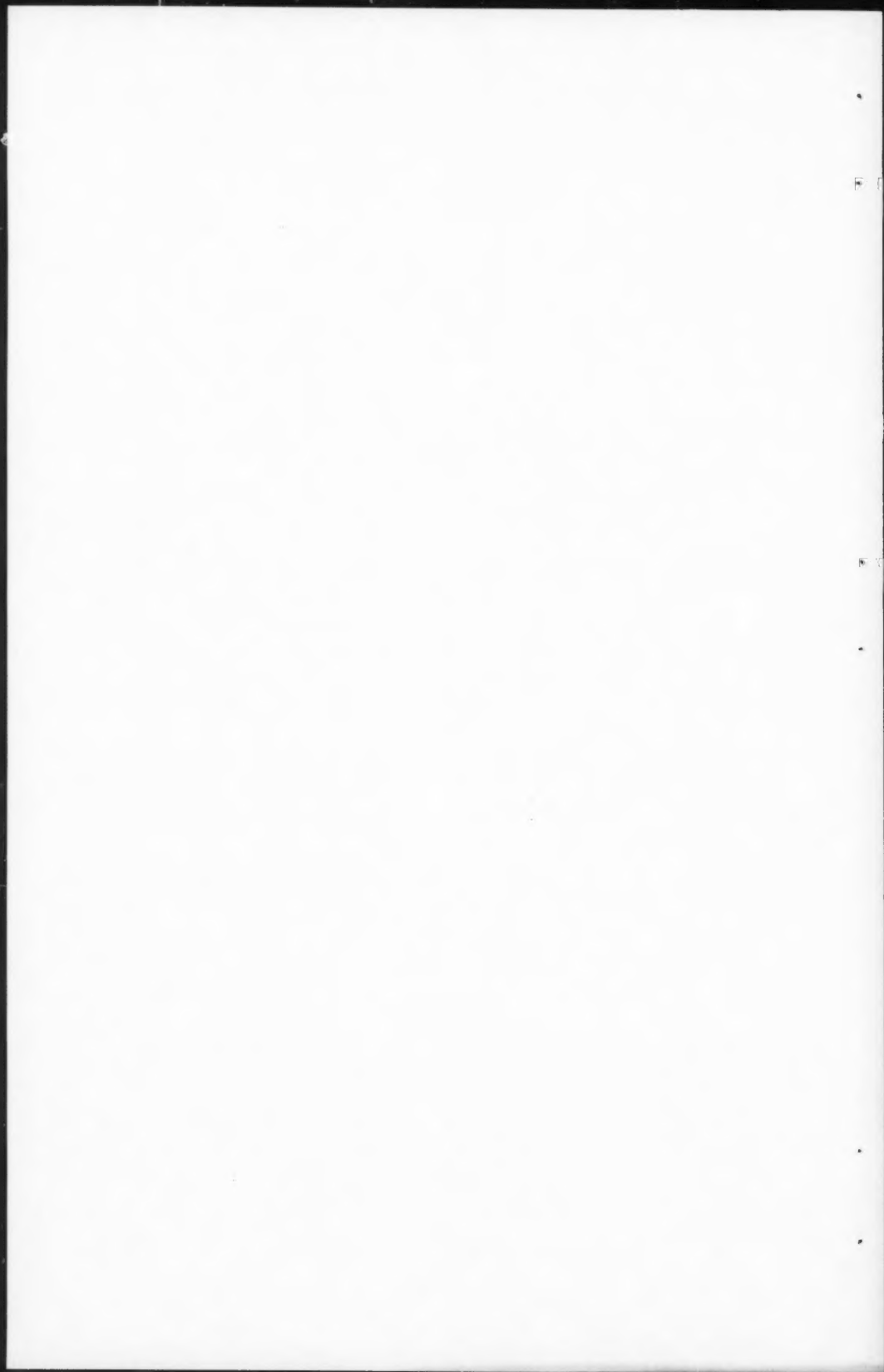
ZONING

Are Flood-Plain Regulations Sound?, C. J. Posey, CE:Jun 65:68

Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63: 67:3702

TR:130:24

The Airport and its Approaches, James R. Carr and John R. Eva, AT2:Oct 65:39:4490



1965 COMBINED NAME INDEX

AARON, HENRY

Construction Practice for Rigid Pavement:
Report of the Subcommittee on Construction of
the Committee on Airfield Pavement, ASCE,
AT1:May 64:41:3906

Dsc: J. Frank Redus, AT1:Apr 65:71:4279;
Edward A. Abdun-Nur, AT1:Apr 65:72:4279
Clo: AT2:Oct 65:76:4505

ABBOT, AGATIN T.

Dsc, HY5:Sep 65:234:4464, of "Development of
Ground Water in Hawaii", HY6:Nov 64:185:4144

ABBOTT, PHILLIP A.

Dsc, with Clark P. Sanger and Warren J.
Baker, SM2:Mar 65:107:4257, of "Yielding and
Locking of Confined Sand", SM4:Jul 64:57:3966

ABDUN-NUR, EDWARD A.

Designing Specifications--A Challenge, CO1:
May 65:29:4315

Dsc, AT1:Apr 65:72:4279, of "Construction
Practice for Rigid Pavement: Report of the Sub-
committee on Construction of the Committee on
Airfield Pavement", ASCE, AT1:May 64:41:3906

Dsc, CE:Mar 65:64, of "Quality Control of
Concrete," CE:Nov 64:59

ABERNATHEY, JAMES M.

Some Ethical Implications of Professional
Planning, PP2:May 64:23:3896

Dsc: David A. Woolhiser and L.M. Falkson,
PP1:Jan 65:58:4186; Charles G. Beer, PP1:
Jan 65:59:4186; Sigurd Grava, PP1:Jan 65:
60:4186

Clo: PP2:Sep 65:86:4454
TR:130:803

ABRAHAM, G.

Horizontal Jets in Stagnant Fluid of Other
Density, HY4:Jul 65:139:4411
Pneumatic Reduction of Salt Intrusion Through
Locks, with P. vander Burgh, HY1:Jan 64:83:
3759

Dsc: D.I.H. Barr, HY5:Sep 64:197:4050
Clo: HY1:Jan 65:160:4192
Corr: HY4:Jul 65:275:4399
TR:130:166

Dsc, SA6:Dec 65:60:4546, of "Turbulent Mix-
ing Phenomena of Ocean Outfalls", SA2:Apr 65:
33:4297

ABRAMS, MORRIS M.

Photogrammetry and Highway Law, SU2:Jul
64:153:3989
TR:130:191

ACHENBACH, JAN D.

Dynamic Response on Viscoelastic Subgrade,
with Chin-teh Sun, EM5:Oct 65:61:4504

ACKERMAN, ADOLPH

Dsc, PP1:Jan 65:29:4186, of "Challenge to
Civil Engineering", PP1:Jan 64:21:3750

ACKERMAN, ADOLPH J.

Using Engineering to Enslave You, CE:Jul 64:67
Dsc: Alan R. Chandler, CE:Sep 64:69; Allan C.
Tedrow, CE:Sep 64:69; Archie Mathews, CE:
Sep 64:69; Alfred R. Golze, CE:Oct 64:66;
Leon D. Luck, CE:Oct 64:67; Alfred Ogram,
CE:Nov 64:73
TR:130:340

ACKERMANN, NORBERT L.

Development of a Solid-Liquid Flow Meter,
with Chaleo Niyomthai, HY2:Mar 64:121:3829
Dsc: Charles D.D. Howard, HY5:Sep 64:271:
4050; Iraj Zandi, HY6:Nov 64:299:4130
Clo: HY3:May 65:283:4304
TR:130:381

Salt-Water Interface Near a Fresh-Water
Canal, with Pachern Sridurongkatum, HY6:Nov
64:97:4135

Dsc: Leonard Halpenny, HY3:May 65:384:
4304; Paul Baumann, HY5:Sep 65:212:4464
Viscous and Boundary Effects on Virtual Mass,
with Anat Arbhahirama, EM4:Aug 64:123:4014
Dsc: Frederic T. Mavis, EM1:Feb 65:178:
4212; K.G. McConnell and D.F. Young, EM2:
Apr 65:88:4286
Clo: EM6:Dec 65:177:4549
See Frederick T. Mavis, EM6:Dec 65:193:4549

ACKERS, PETER

Experiments on Small Streams in Alluvium,
HY4:Jul 64:1:3959

Dsc: Thomas Blench, HY6:Nov 64:369:4130;
Gerald Lacey, HY1:Jan 65:219:4192; Charles
R. Neill, HY1:Jan 65:224:4192; K.V.H. Smith,
HY1:Jan 65:225:4192; Claude Inglis, HY1:
Jan 65:228:4192; J.R.D. Francis, HY1:Jan 65:
232:4192; Muna El-Khudairy, HY2:Mar 65:331:
4249; Per Bruun, HY2:Mar 65:333:4249; A.E.
Bretting, HY2:Mar 65:341:4249; Francis M.
Henderson, HY2:Mar 65:351:4249; P. Venka-
traman and C. Venkatramiah, HY2:Mar 65:
352:4249; Mushtaq Ahmad and A. Rehman,
HY2:Mar 65:354:4249; T.M. Prus-Chacinski,
HY2:Mar 65:363:4249; D.I.H. Barr, HY2:
Mar 65:365:4249; D.G. McKinlay, HY2:Mar 65:
369:4249; I.V. Egiazaroff, HY5:Sep 65:153:4464

ADAMS, PETER F.

Dsc, EM2:Apr 65:94:4286, of "Elastic and Inelastic Buckling of Portal Frames", EM5:Oct 64:221:4094

ADRIAN, DONALD DEAN

Dsc, HY3:May 65:321:4304, of "Turbulent Flow in Porous Media", HY5:Sep 64:1:4019

ADVANI, R. M.

Dsc, IR1:Mar 65:207:4242, of "End Depth for Exponential Channels", IR1:Mar 64:17:3819

Dsc, HY5:Sep 65:288:4464, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202

AGARWAL, S. L.

See Shamsher Prakash, SM1:Jan 65:210:4197

AHLBORN, GALE

See Robert Horonjeff, AT1:Apr 65:33:4301

See Robert Horonjeff, AT1:May 64:1:3891

AHLVIN, RICHARD G.

Stress Repetitions in Pavement Design, with Donald N. Brown, AT2:Oct 65:29:4489

AHMAD, MUSHTAQ

Dsc, with A. Rehman, HY2:Mar 65:354:4249, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

AIDUN, A. R.

See L.J. Goodman, SM1:Jan 65:143:4211

ALAGIA, J. S.

Depth Selection of Built-Up I-Sections, CE:Dec 64:88

TR:130:687

ALBERT, S. D.

Virginia--Towers for a 500-kv Transmission Line, with J.D. Shaw, CE:Feb 65:52

ALDRICH, HARL P., JR.

Precompression for Support of Shallow Foundations, SM2:Mar 65:5:4267

Dsc: Louis J. Goodman, SM4:Jul 65:242:4394; Rowland Richards, Jr., SM5:Sep 65:122:4457; N.E. Simons, SM6:Nov 65:115:4525

ALEXANDER, GEOFFREY N.

Dsc, HY1:Jan 65:211:4192, of "Hydrology of Spillway Design: Large Structures--Adequate Data", HY3:May 64:239:3915

Dsc, HY3:May 65:376:4304, of "Mathematical Model for Flood Risk Evaluation", HY6:Nov 64:1:4119

ALEXANDER, WILLIAM D.

Apollo--a Trip to the Moon--Symposium, (1) Vehicle Assembly Building--Project Description, Organization and Procedures, CE:Jan 65:42

Dsc: E.M.T. Ryder, CE:Apr 65:80

ALGERT, JAMES H.

See Carl F. Nordin, Jr., HY3:May 65:367:4304

ALI, IQBAL

See Robert B. Banks, HY5:Sep 64:13:4022

ALLAN, R. R.

See K.E. Seal, SA1:Feb 65:76:4213

ALLEN, J. H.

Dsc, with David I.H. Barr, SA5:Oct 65:69:4492, of "Estuarine Distribution of Nonconservative Substances", SA1:Feb 65:23:4225

ALLGOOD, JAY R.

Blast Loading of Small Buried Structures, ST5:Oct 64:39:4095
TR:130:554

AL-SARRAF, SABIH ZAKI

Struts Carrying Nonuniform Axial Loads, with Arthur Bolton, ST3:Jun 65:247:4385

Dsc, ST1:Feb 65:320:4216, of "Frames of Solid Bars of Varying Cross Section", ST4:Aug 64:145:4010

ALTER, AMOS J.

Sanitary Engineering in Alaska, CE:Mar 64:48

Dsc: Neil L. Drobny, CE:May 64:62

TR:130:145

ALTSCHAEFFL, ADOLPH G.

Dsc, HY5:Sep 65:301:4464, of "Erosion and Deposition of Cohesive Soils", HY1:Jan 65:105:4204

Dsc, SM3:May 65:146:4308, of "Interpretation of the Consolidation Test", SM5:Sep 64:87:4056

See Gerald A. Leonards, SM5:Sep 64:133:4049

ALWAR, R. S.

Dsc, EM3:Jun 65:268:4348, of "Elastostatic Problem of a Perforated Square Plate", EM5:Oct 64:171:4089

See K.T. Sundara Raja Iyengar, EM4:Aug 64:79:4004

AMES, LAWRENCE L.

Dsc, HW2:Dec 65:141:4548, of "Traffic Accident Study on Milwaukee Expressway", HW1:Jan 65:25:4205

AMES, W. F.

See K. Keshavan, SA1:Feb 64:99:3808

AMIRIKIAN, ARSHAM

The New Welding Code for Buildings, CE:Aug 64:56

TR:130:396

AMMANN, O. H.

Verrazano-Narrows Bridge--Design Concepts and Construction Procedure, CE:Dec 64:38

Wins National Science Medal, CE:Jan 65:41

TR:130:695

Honorary Member dies, CE:Nov 65:101

ANANDAKRISHNAN, M.

Laminar and Turbulent Flow of Water Through Sand, with G.H. Varadarajulu, SM5:Sep 63:1:3631

Dsc: John C. Ward, SM1:Jan 64:165:3781;
Ralph R. Rumer, SM2:Mar 64:205:3850; K.S. Lane, SM3:May 64:171:3907
TR:130:474

ANANTHARAMU, S.

See K. T. Sundara Raja Iyengar, EM6:Dec 63:139:3720

See K. T. Sundara Raja Iyengar, ST3:Jun 65:45:4359

ANDERSON, ALBERT E.

Snow Loads for Roofs, CE:Jul 65:76

ANDERSON, GEORGE C.

See Robert O. Sylvester, SA1:Feb 64:1:3786

ANDERSON, P. J.

Storage Containers for Liquefied Natural Gas, with A.R. Khan, CE:Aug 65:65

ANDERSON, ROBERT H.

Two Degree-of-Freedom Elastoplastic Response, EM5:Oct 65:191:4524

ANG, ALFREDO H. -S.

Analysis of Contained Plastic Flow in Plane Solids, with Goin N. Harper, EM5:Oct 64:397:4113

Dsc: Cheng Yi Yang, EM3:Jun 65:284:4348;
Dragos A. Jurisic, EM3:Jun 65:286:4348
Model for Wave Motions in Axi-Symmetric Solids, with Johann H. Rainer, EM2:Apr 64:195:3878

Dsc: Alexander P. Hrenikoff, EM5:Oct 64:449:4093; Robert E. Ball, EM6:Dec 64:275:4160

Corr: Alexander P. Hrenikoff, EM1:Feb 65:160:4212 (discussion withdrawn)

ANSLEY, RALPH W.

Sediment Transport in Supercritical Flow, HY6:Nov 65:57:4533

APELT, C. J.

Dsc, HY5:Sep 65:296:4464, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202

APMANN, ROBERT P.

See Donald A. Parsons, WW2:May 65:27:4311
See Donald A. Parsons, CE:Feb 65:66

APPEL, CHARLES A.

See Irwin Remson, HY3:May 65:133:4330

ARAS, RESTAN M.

PERT and CPM Techniques in Project Management, with Julius Surkis, CO1:Mar 64:1:3823

Dsc: Joseph S. Keller, CO2:Sep 64:75:4051
TR:130:486

ARBHABHIRAMA, ANAT

See Norbert L. Ackermann, EM4:Aug 64:123:4014

ARCAN, LELIA

Dsc, SM2:Mar 65:113:4257, of "Clay Mineralogical Aspects of the Atterberg Limits", SM4:Jul 64:107:3983

ARCEIVALA, S. J.

Dsc, with V. Hanumanalu, SA4:Aug 65:61:4421, of "Analysis of Biological Filter Variables", SA6:Dec 64:59:4174

ARENA, JOSEPH R.

See Max Zar, PO1:May 65:126:4313

ARGAMAN, Y.

See M. Rebhun, SA5:Oct 65:37:4523

ARGYROPOULOS, PRAXITELIS A.

Dsc, HY5:Sep 65:286:4464, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202

ARMSTRONG, THOMAS HUDSON

Memoir of, TR:130:811

ARNBERG, JOHN E.

Seattle Viaduct Redesigned Using CPM, with Roy W. Morse and Douglas L. Jonas, CE:Oct 64:46

TR:130:523

ARON, GERT

Simplified Solution for Decreasing Flow in Wells, with Verne H. Scott, HY5:Sep 65:1:4459

ARORA, K. L.

See V.J. Patel, SM2:Mar 64:87:3840

ATTERBURY, THOMAS J.

See George M. McClure, PL2:Nov 64:25:4137

AU, LEWIS LI-TANG

Thermal-Shock Effects on a Space Vehicle, with Donald J. Trent, EM4:Aug 65:1:4425

AU, TUNG

See Rodney J. Clifton, ST5:Oct 63:133:3675
See Vilis Vitols, ST4:Aug 63:71:3584

AUGUSTI, GIULIANO

Experimental Rotation Capacity of Steel Beam-Columns, ST6:Dec 64:171:4175

Dsc: Maxwell G. Lay, ST3:Jun 65:296:4346

Tests of Cylindrical Shells in the Plastic Range, with Salvatore d'Agostino, EM1:Feb 64:69:3802

Dsc: Daniel C. Drucker, EM3:Jun 64:295:3936; H. Halit Demir, EM5:Oct 64:433:4093
Cio: EM2:Apr 65:70:4286

TR:130:335

Dsc, EM4:Aug 65:199:4433, of "Inelastic Buckling Gradient", EM6:Dec 64:31:4158
See Vincenzo Franciosi, ST1:Feb 64:165:3803

AYERS, JAMES R.

The Drydock Lock, with Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15:3523

Dsc: Joseph F. Jelley, Jr., WW4:Nov 64:133:4117; Perry M. Boothe, WW4:Nov 64:134:4117
TR:130:471

AYRE, ROBERT S.

Clo: WW2:May 65:41:4307

BACON, SUMNER DAVIS

Memoir of, TR:130:811

See Theodore R. Tauchert, EM6:Dec 65:91:4570

BAGLEY, JAY M.

Effects of Competition on Efficiency of Water Use, IR1:Mar 65:69:4252

Dsc: Henry C. Eagle, IR3:Sep 65:95:4453; Asit K. Biswas, IR4:Dec 65:94:4550

BAINES, W. DOUGLAS

Wind Driven Water Currents, with Douglas J. Knapp, HY2:Mar 65:205:4270

Dsc: Erich J. Plate, HY5:Sep 65:322:4464; David I.H. Barr, HY6:Nov 65:209:4527; Jan M. Jordaan, Jr., HY6:Nov 65:210:4527

BAKER, CLYDE N., JR.

Dsc, SM6:Nov 65:119:4525, of "Shallow Foundations", SM2:Mar 65:21:4271

BAKER, JAMES W. O.

Dsc, HW1:Jan 65:72:4186, of "Vertical Curve Plotting with Circular Templates", HW2:Aug 64:1:3998

BAKER, WARREN J.

See Phillip A. Abbott, SM2:Mar 65:107:4257

BALD, R. E.

Dsc, CE:May 65:74, of "Understanding and Controlling Corrosion," CE:Mar 65:57

BALIGH, ALY

See Kamel F. Saad, IR2:Jun 65:51:4363

BALK, KENNETH

Dsc, request for information on structural plastics, CE:Jun 65:72

BALL, HENRY F.

Dsc, HW2:Dec 65:138:4548, of "Financing Future Intercity Transportation Systems", HW1:Jan 65:1:4187

BALL, JAMES W.

Construction Finishes and High-Velocity Flow, CO2:Sep 63:91:3646

Dsc: James L. Gordon, CO1:Mar 64:103:3851; Ellis B. Pickett, CO2:Sep 64:65:4051
Clo: CO1:May 65:191:4309
TR:130:382

BALLOFFET, ARMANDO

Hydraulic Studies of Jamaica Bay, with Arnold Kupferman, HY6:Nov 64:63:4133

Dsc: Giulio Supino, HY3:May 65:382:4304; J.J. Dronkers, HY5:Sep 65:204:4464; A.R. Halliwell, HY5:Sep 65:205:4464
Dsc, HY6:Nov 65:171:4527, of "Pressure Distribution on Spillway Flip Buckets", HY2:Mar 65:51:4251

BANKS, HARVEY O.

Federal Versus State Interests in Water Development, IR1:Mar 65:31:4246

Dsc: S.T. Harding, IR3:Sep 65:90:4453; William C. Kuhs, IR4:Dec 65:86:4550
Hydrology of Spillway Design: Introduction, HY3:May 64:235:3912
TR:130:287

BANKS, ROBERT B.

Dispersion and Adsorption in Porous Media Flow, with Iqbal Ali, HY5:Sep 64:13:4022

Dsc: Donald R.F. Harleman and Uri Shamir, HY3:May 65:330:4304

BARBARITO, BRUNO

Dsc, ST2:Apr 65:194:4285, of "Influence Functions for Beams on Elastic Foundations", ST4:Aug 64:63:4002

BARBER, DEAN A.

See Ralph W. Spencer, PO3:Oct 64:105:4087

BARBER, E. S.

Dsc, AT1:Apr 65:70:4279, of "Rigid and Stiff Airport Paving", AT1:May 64:17:3893

Dsc, SM1:Jan 65:228:4197, of "Settlement Response Caused by Footing Groups", SM5:Sep 64:269:4045

BARDEN, LAING

Consolidation of Normally Consolidated Clay, with Peter L. Berry, SM5:Sep 65:15:4481

The Use of Free Ends in Triaxial Testing of Clays, with J.W. McDermott, SM6:Nov 65:1:4535

Dsc, SM3:May 65:144:4308, of "Compressibility of Clay", SM5:Sep 64:133:4049

See Peter W. Rowe, SM1:Jan 64:1:3753

BARIBEAU, BENOIT

Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, CE:Dec 65:53

BARNES, STANLEY M.

Analysis of Precipitation at Huntington Lake, IR1:Mar 64:77:3839

Dsc: Sidney T. Harding, IR3:Sep 64:81:4028
Clo: IR1:Mar 65:214:4242
TR:130:469

BARON, MELVIN L.

Particle-In-Cell Method Studies and their Applications, with Richard Skalak and Charles P. Lecht, EM3:Jun 65:129:4374

BARR, DAVID I. H.

Dsc, EM5:Oct 65:224:4495, of "An Inclined Plume", EM1:Feb 65:7:4215

BARR, DAVID I. H. Continued

Dsc, HY5:Sep 65:274:4464, of "European Concept of Sediment Transportation", HY1: Jan 65:29:4195

Dsc, HY2:Mar 65:365:4240, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

Dsc, HY3:May 65:343:4304, of "Geometrical Properties of Sand-Waves", HY5:Sep 64:105:4055

Dsc, HY6:Nov 65:182:4527, of "Hydraulic Performance Comparison of Centrifugal Pumps", HY2:Mar 65:73:4255

Dsc, HY5:Sep 65:255:4464, of "Large-Scale Roughness in Open-Channel Flow", HY6:Nov 64:203:4145

Dsc, HY6:Nov 65:194:4527, of "Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual", HY2:Mar 65:251:4260

Dsc, HY6:Nov 65:203:4527, of "Total Bed Material Transport", HY2:Mar 65:175:4266

Dsc, HY3:May 65:323:4304, of "Turbulent Flow in Porous Media", HY5:Sep 64:1:4019

Dsc, HY6:Nov 65:209:4527, of "Wind Driven Water Currents", HY2:Mar 65:205:4270

See J.H. Allen, SA5:Oct 65:69:4492

BARTHOLOMEW, HARLAND

Metropolitan Transportation Problem, UP1: Jul 65:7:4391

BARTHOLOMEW, R. F.

Dsc, with N.E. Simons, SM6:Nov 65:122:4525, of "Pile and Pier Foundations", SM2:Mar 65:33:4273

BARTLETT, FRANK ADAMS

Memoir of, TR:130:812

BARTLEY, THOMAS R.

See Francis J. Guscio, WW4:Nov 65:47:4537

BASS, LOUIS O.

Texas--Unusual Dome Awaits Baseball Season in Houston, CE:Jan 65:63

Dsc: R.S. DiSalvo, CE:Mar 65:64

BATTERMAN, STEVEN C.

Load-Deformation Behavior of Shells of Revolution, EM6:Dec 64:1:4167

Corr: EM4:Aug 65:209:4433

TR:130:704

BAUER, EDWARD EZRA

Memoir of, TR:130:813

BAUER, KURT W.

Engineering Principles of Urban Transportation Planning, HW2:Dec 65:1:4559

Surveying and Mapping for Water Resource Planning, SU1:Apr 64:1:3855

Dsc: Richard R. Mayer, SU1:Apr 65:60:4280;

Daniel Kennedy, SU1:Apr 65:60:4280; Max

Suter, SU1:Apr 65:61:4280

Clo: SU2:Sep 65:65:4462

BAUMANN, E. ROBERT

See Sadik Toksoz, IR3:Sep 65:65:4477

BAUMANN, PAUL

Dsc, IR3:Sep 65:98:4453, of "Operating a Sea Water Barrier Project", IR1:Mar 65:117:4264

Dsc, HY5:Sep 65:212:4464, of "Salt-Water Interface Near a Fresh-Water Canal", HY6: Nov 64:97:4135

BEADLE, C. W.

Rigidity and Strength of Composite Plates, with J.W. Dally and W.F. Riley, EM6:Dec 64:211:4183

TR:130:777

BEAGLE, CHARLES W.

New Jersey--A Revolution in Sewer Maintenance at Woodbridge, CE:Mar 65:34

BEAR, JACOB

Moving Interface in Coastal Aquifers, with Gedeon Dagan, HY4:Jul 64:193:3988

Dsc: Donald R.F. Harleman and Ralph R. Rumer, Jr., HY2:Mar 65:384:4249

Clo: HY6:Nov 65:167:4527

BEARD, LEO R.

Use of Interrelated Records to Simulate Streamflow, HY5:Sep 65:13:4463

Dsc, HY3:May 65:334:4304, of "Multivariate Technique for Synthetic Hydrology", HY5:Sep 64:43:4027

BEAUFAIT, FRED W.

Analysis of Continuous Folded Plate Surface, ST6:Dec 65:117:4555

BECK, ARTHUR N.

See Francis J. Guscio, WW4:Nov 65:47:4537

BECKER, ERIC

See Egor P. Popov, ST5:Oct 64:1:4069

BEEDE, LYNN S.

See John W. Fisher, ST5:Oct 65:129:4511

BEER, CHARLES G.

Factors Considered in Urban Transportation Planning, HW2:Dec 65:51:4582

Dsc, PP1:Jan 65:59:4186, of "Some Ethical Implications of Professional Planning", PP2: May 64:23:3896

BEER, F. J.

Dsc, ST5:Oct 65:356:4498, of "Effect of Large Alternating Strains on Steel Beams", ST1:Feb 65:1:4217

BEHN, VAUGHN C.

See K. Keshavan, SA1:Feb 64:99:3808

BEICHLEY, GLENN L.

Dsc, HY1:Jan 65:164:4192, of "Shapes for Appurtenances in Stilling Basins", HY3:May 64:1:3888

BEITINJANI, KHALIL I.

A Study on Refraction of Waves in Prismatic Channels, with Ernest F. Brater, WW3:Aug 65: 37:4434

BELES, AUREL A.

Dsc, with Mircea Soare, ST5:Oct 65:376:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

BELLPORT, B. P.

Colorado--Reclamation Firsts: Underground Power Plant at Morrow Point Dam, CE:Feb 65: 40

BENDER, OSTAP

See Raymond E. Davis, CE:Nov 64:62

BENDIGO, ROBERT A.

Long Bolted Joints, with Roger M. Hansen and John L. Rumpf, ST6:Dec 63:187:3727

Dsc: A. J. Francis, ST3:Jun 64:417:3940; B. G. Schiller, ST4:Aug 64:311:4001; E. Chesson, Jr., ST4:Aug 64:311:4001
Cto: ST2:Apr 65:149:4285
TR:130:274

BENJES, HENRY H., JR.

See Ross E. McKinney, SA6:Dec 65:43:4589

BENSON, DONALD J.

Symposium, Continuing Education--Whose Responsibility?--Introduction, CE:May 65:56

BENSON, MANUEL A.

Effect of Floods and Obsolescence on Bridge Life, with N. C. Matalas, HW1:Jan 65:55:4208
Dsc: David C. Colony, HW2:Dec 65:150:4548
Spurious Correlation in Hydraulics and Hydrology, HY4:Jul 65:35:4393

Dsc: Charles R. Neill, HY6:Nov 65:248:4527

BENTON, RICHARD D.

See Chuan C. Feng, ST2:Apr 64:153:3870

BENVENISTE, JACQUES E.

A Study of Mechanisms with Application to Frames, EM1:Feb 65:19:4222

Dsc: Ferdinand Freudenstein, EM5:Oct 65: 225:4495

BENZON, FRANK BROWNING

Memoir of TR:130:814

BERG, PAUL H.

Irrigation and Drainage Research Conference: Report by the Research Committee of the Irrigation and Drainage Division, ASCE, IR4:Dec 64:1:4180

Dsc: D. R. Jackson, IR3:Sep 65:87:4453

BERGER, BRUCE S.

Dynamic Response Functions, EM4:Aug 64:131: 4017

Corr: EM3:Jun 65:260:4348
TR:130:515

BERGHINZ, CARLO

Dsc, CE:Mar 65:63, of "Vaiont Reservoir Disaster," CE:Mar 64:32

BERGSTROM, RICHARD N.

Has Nuclear Power Become Competitive?, CE:Feb 65:32
Latest Developments in Transporting Coal by Rail, with Kenneth W. Hamming, PO1:May 65: 81:4338

BERMAN, SIDNEY

Memoir of, TR:130:815

BERNHARD, R. K.

Dsc, CE:Mar 65:64, of "The Case for the Galvanized Bridge," CE:Nov 64:31

BERRY, DONALD S.

Technological Aspects of Urban Transportation, with Paul W. Shuldiner, HW1:Jan 64:53: 3768

Dsc: Shu-t'ien Li, HW2:Aug 64:27:3997;
Wilbur S. Smith, HW1:Jan 65:70:4185
Corr: HW2:Dec 65:131:4548

BERRY, PETER L.

See Laing Barden, SM5:Sep 65:15:4481

BERRY, RICHARD A. P.

Dsc, AT2:Oct 65:87:4505, of "Airfield Pavement Evaluation Procedures", AT1:Apr 65:15: 4299

BERRYHILL, R. H.

Energy Dissipators for Spillways and Outlet Works: Progress Report of the Task Force on Energy Dissipators for Spillways and Outlet Works, Committee on Hydraulic Structures, ASCE, HY1:Jan 64:121:3762

Dsc: R. M. Advani, HY4:Jul 64:359:3980; J. Bellier, HY4:Jul 64:360:3980; N. Rajaratnam, HY4:Jul 64:362:3980; Egidio Indri, HY4:Jul 64: 363:3980; Andrei Filotti, HY5:Sep 64:201:4050
Cto: HY2:Mar 65:292:4249

EERTERO, VITELMO V.

Effect of Large Alternating Strains on Steel Beams, with Egor P. Popov, ST1:Feb 65:1:4217
Dsc: Maxwell G. Lay, ST4:Aug 65:248:4432;
Anatol A. Eremin, ST5:Oct 65:356:4498; F. J. Beer, ST5:Oct 65:356:4498
Dsc, EM5:Oct 65:218:4495, of "Calculating Deflections of a Partially Collapsed Frame", EM1:Feb 65:1:4214

BERWANGER, CARL

Dsc, CO1:May 65:192:4309, of "Mathematical Method for Blending Aggregates", CO2:Sep 64:1: 4026

BETTERSORTH, THOMAS A.

Aesthetic Design of Electric Distribution Lines, UP1:Jul 65:31:4400

BEVERAGE, JOSEPH P.

Hyperconcentrations of Suspended Sediment, with James K. Culbertson, HY6:Nov 64:117:4136
 Dsc: Theodore T. Williams, HY3:May 65: 385:4304; Charles D.D. Howard, HY3:May 65: 386:4304; E.V. Richardson and T.F. Hanly, HY5:Sep 65:215:4464; Kenneth N. Phillips, HY5:Sep 65:220:4464

BHATLA, MANMOHAN N.

Role of Protozoa in the Diphasic Exertion of BOD, with Anthony F. Gaudy, Jr., SA3:Jun 65: 63:4371

Dsc: Ross E. McKinney, SA5:Oct 65:82:4492; Arthur W. Busch, SA6:Dec 65:62:4546

BHAVNAGRI, VIRAF S.

Mathematical Representation of an Urban Flood Plain, with George Bugliarello, HY2:Mar 65:149: 4265

Corr: HY6:Nov 65:200:4527

BICKEL, JOHN O.

A Tunnel Favored for English Channel Crossing, CE:Jul 64:35
 TR:130:304

BIEHN, F. O.

Florida--The Cross-Florida Barge Canal under Construction, CE:May 64:48

BIER, MILAN

See Fredrick C. Cooper, SA6:Dec 65:13:4557

BIGELAW, EDWARD E.

American Society of Civil Engineers Policy on the Registration of Engineers, and Position Paper with Respect to the Model Law: Report by the Committee on Registration of Engineers, ASCE, PP2:Sept 65:11:4460

BILLINGTON, DAVID P.

See David G. Elms, EM4:Aug 65:69:4441

BINDER, RAYMOND C.

See Young C. Kim, EM6:Dec 65:67:4565

BISHOP, A. ALVIN

See Yu-Si Fok, IR1:Mar 65:99:4259

BISHOP, AVERY A.

Total Bed Material Transport, with Daryl B. Simons and Everett V. Richardson, HY2:Mar 65: 175:4266

Dsc: R. Sakthivadivel, HY6:Nov 65:201: 4527; David I.H. Barr, HY6:Nov 65:203:4527

BISWAS, ASIT K.

Hydroelectric Developments in the Scottish Highlands, PO1:May 65:23:4318
 Irrigation in India: Past and Present, IR1: Mar 65:179:4277

Dsc: Gerald Lacey, IR4:Dec 65:123:4550; Claude C. Inglis, IR4:Dec 65:128:4550; A.M.R. Montagu, IR4:Dec 65:129:4550

The Hydrologic Cycle, CE:Apr 65:70

Dsc, CE:Jul 65:76, on "Ph.D. and P.E. in Civil Engineering Education," CE:Mar 65:48
 Dsc: by author, CE:Sep 65:73

Dsc, HY5:Sep 65:264:4464, of "Educational Considerations for Environmental Engineering", HY1:Jan 65:9:4191

Dsc, HY2:Mar 65:380:4249, of "Effecting Optimum Ground-Water Basin Management", HY4:Jul 64:97:3981

Dsc, IR4:Dec 65:94:4550, of "Effects of Competition on Efficiency of Water Use", IR1:Mar 65: 69:4252

Dsc, IR4:Dec 65:106:4550, of "Evaporation Reduction on Large Reservoirs", IR1:Mar 65:

Dsc, HY2:Mar 65:382:4249, of "Ground-Water Management for the Nation's Future - Water Resources Management Through Ground-Water Basin Operation", HY4:Jul 64:51:3985

Dsc, HY6:Nov 65:182:4527, of "Men, Models, Methods, and Machines in Hydrologic Analysis", HY2:Mar 65:85:4256

Dsc, IR4:Dec 65:97:4550, of "Progress in Waste Water Re-Use in Southern California", IR1:Mar 65:79:4253

Dsc, HY5:Sep 65:285:4464, of "Research Needs in Surface-Water Hydrology: Report of the Committee on Surface-Water Hydrology", HY1: Jan 65:75:4201

Dsc, SU1:Apr 65:65:4280, of "The Case of the Missing Curriculum", SU2:Jul 64:27:3963

Dsc, HY5:Sep 65:300:4464, of "Weather Modifications", HY1:Jan 65:93:4203

BITOUN, MARCEL

See Victor A. Koelzer, HY3:May 64:261:3913

BITTINGER, MORTON W.

See Ali Eshett, HY6:Nov 65:153:4545

BJERRUM, LAURITS

Measuring Instruments for Strutt Excavations, with Theodore C. Kenney and B. Kjaernsli, SM1:Jan 65:111:4210

Dsc: Hugh Q. Golder, SM5:Sep 65:116:4457; W.H. Ward, SM6:Nov 65:114:4525

BJORK, R. L.

Wave Propagation in Elastic-Plastic Solids, with C.Y. Liu, EM5:Oct 65:77:4506

BLACK, WILLIAM T.

See Lloyd B. Underwood, SM2:Mar 64:65:3830

BLACKMAN, GEORGE E.

See Richard F. Foster, SA6:Dec 65:17:3733

BLAIN, WILBER A.

Dsc, with Archie J. McDonnell, SA4:Aug 65: 57:4421, of "Analysis of Biological Filter Variables", SA6:Dec 64:59:4174

Dsc, SA5:Oct 65:74:4492, of "Second Order Equation for BOD", SA1:Feb 65:43:4232

BLAISDELL, FRED W.

See Charles A. Donnelly, HY3:May 65:101:4328

BLANCHARD, KENNETH E.

On the Shock Response of Inelastic Beams, with
Albert B. Schultz, EM5:Oct 65:27:4500

BLANEY, HARRY F.

Dsc, IR1:Mar 65:216:4242, of "Effective Rain-
fall and Irrigation Water Requirements", IR2:
Jun 64:33:3920

Dsc, IR2:Jun 65:79:4349, of "Irrigation Water
Requirements in Texas", IR3:Sep 64:17:4040

BLASCHKE, THEODORE O.

Underground NORAD Command Center at
Colorado Springs, CE:May 64:36
TR:130:237

BLEICH, HANS H.

See Morton B. Friedman, EM3:Jun 65:189:4377

BLEIFUSS, DONALD J.

Unwatering Akosombo Cofferdams, SM2:Mar
64:111:3842

Dsc: H. George Gerdes, SM6:Nov 64:221:4122
Clo: SM2:Mar 65:91:4257

BLENCH, THOMAS

Practical Regime Analysis of River Slopes,
with Mohd Ali Qureshi, HY2:Mar 64:81:3826

Dsc: Gerald Lacey, HY5:Sep 64:257:4050;
Peter Ackers, HY6:Nov 64:289:4130
Clo: HY3:May 65:276:4304

BLIGHT, G. E.

Shear Stress Pore Pressure in Triaxial Test-
ing, SM6:Nov 65:25:4540

BLISS, JOHN H.

Water Quality Changes in Elephant Butte Re-
servoir, IR3:Sep 63:53:3637

Dsc: Raymond A. Hill, IR1:Mar 64:131:3848;
George D. Clyde and Wayne D. Criddle, IR1:
Mar 64:138:3848

Clo: IR1:Mar 65:193:4242
TR:130:57

Dsc, IR4:Dec 65:82:4550, of "Future Quantity
and Quality of Colorado River Water", IR1:
Mar 65:17:4244

BLODGETT, OMER W.

Welded Bridge Girders, CE:Jan 64:51
TR:130:27

BLOMQUIST, HERBERT T.

See Alfred H. Palmer, CE:Feb 65:50

BLUME, JOHN A.

Dsc, EM3:Jun 65:275:4348, of "Probabilistic
Design to Resist Earthquakes", EM5:Oct 64:189:
4090

Dsc, EM1:Feb 65:161:4212, of "Resonance
Testing of Full-Scale Structures", EM3:
Jun 64:1:3923

Dsc, ST4:Aug 65:210:4432, of "Steady-State
Versus Run-Down Tests of Structures", ST6:
Dec 64:51:4161

Dsc, EM1:Feb 65:166:4212, of "Vibrational
Transfer from Shear Buildings to Ground", EM3:
Jun 64:21:3924

BOGARDI, JOHN L.

European Concepts of Sediment Transportation,
HY1:Jan 65:29:4195

Dsc: Johan A. Zwamborn, HY5:Sep 65:267:
4464; I.V. Egiazaroff, HY5:Sep 65:269:4464;
David I.H. Barr, HY5:Sep 65:274:4464

BOGDANOFF, JOHN L.

Dsc, with John E. Goldberg, EM4:Aug 65:194:
4433, of "Probabilistic Design to Resist Earth-
quakes", EM5:Oct 64:189:4090

See Arnold L. Sweet, EM2:Apr 65:21:4292

See John E. Goldberg, EM3:Jun 64:135:3943

See John E. Goldberg, ST4:Aug 64:235:4018

BOGGS, E. W.

Vibratory Driver Successful for Sheetpile Cells
in Erie Harbor, CE:Apr 64:58
TR:130:243

BOLTON, ARTHUR

See Sabih Zaki Al-Sarrafi, ST3:Jun 65:247:4385

BONAZZI, DARIUS

Alluvium Grouting Proved Effective on Alpine
Dam, SM6:Nov 65:81:4544

BONDERSON, PAUL R.

Quality Aspects of Waste Water Reclamation,
SA5:Oct 64:1:4104

Dsc: Harvey F. Ludwig and Joseph L. Feeney,
SA1:Feb 65:100:4213; George A. Whetstone,
SA3:Jun 65:124:4353

BONDURANT, DONALD C.

Sedimentation Aspects in Recreation Planning,
with Robert H. Livesey, HY5:Sep 65:51:4473

BOOKMAN, MAX

Dsc, IR4:Dec 65:95:4550, of "Progress in
Waste Water Re-Use in Southern California",
IR1:Mar 65:79:4253

BOOSS, GEORGE F.

Phase I Report on Folded Plate Construction:
Report of the Task Committee on Folded Plate
Construction of the Committee on Masonry and
Reinforced Concrete of the Structural Division,
ASCE, ST6:Dec 63:365:3741

Dsc: Elvald M.Q. Roren, ST2:Apr 64:421:
3886; John E. Goldberg, ST2:Apr 64:422:3886;
Tae Song Cho and Kyung Jong Lee, ST2:Apr 64:
425:3886; A.R. Dykes, ST3:Jun 64:421:3940
Clo: ST1:Feb 65:288:4216

BORESI, ARTHUR P.

See George E. Sliiter, EM2:Apr 64:1:3854

BORG, ROBERT F.

Changed Conditions Clause in Construction
Contracts, CO2:Sep 64:37:4035

Dsc: Bayard F. Snow, CO1:May 65:195:4309;
Paul F. Keim, CO1:May 65:196:4309; Hunter W.
Hanly, CO1:May 65:198:4309; John D. Bristol,

BORG, ROBERT F. Continued

CO1:May 65:198:4309; Robert J. Piper, CO1:
May 65:201:4309; J. Burch McMorran, CO1:
May 65:202:4309; Robert B. Jarvis, CO1:
May 65:203:4309; Gerard M. Gaussa, CO1:
May 65:204:4309

BORG, SIDNEY F.

Heat Analysis - A Tensoral-Dimensional
Approach, EM6:Dec 65:145:4584

BORGMAN, LEON EMRY

Wave Forces on Piling for Narrow-Band
Spectra, WW3:Aug 65:65:4443

BOSLAND, FRANK E.

Dsc, HW1:Jan 65:71:4185, of "Vertical Curve
Plotting with Circular Templates", HW2:Aug 64:
1:3998

BOUWER, HERMAN

Theoretical Aspects of Seepage from Open
Channels, HY3:May 65:37:4321
Dsc: Srisakdi Charmonman, HY5:Sep 65:324:
4464; Hammad Y. Hammad, HY6:Nov 65:218:
4527
Unsaturated Flow in Ground Water Hydraulics,
HY5:Sep 64:121:4057
Corr:HY4:Jul 65:295:4399
TR:130:593

BOUWKAMP, JACK G.

Concept of Tubular-Joint Design, ST2:Apr 64:
77:3864
Dsc: G.B. Godfrey, ST6:Dec 64:323:4157;
Stanley E. Scholl, ST6:Dec 64:328:4157
Clo: ST3:Jun 65:265:4346
TR:130:507

BOWLES, ERNEST M.

East Pakistan--Master Plan for Water and
Power Development, CE:Aug 65:56

BOYD, MARDEN B.

See Frank B. Campbell, HY3:May 65:149:4331

BOYER, PETER B.

Dsc, PO1:May 65:111:4313, of "Estimating
Forced Evaporation from Cooling Ponds", PO3:
Oct 64:1:4061

BRADSHAW, RICHARD R.

Aeroelastic Vibration of a Steel Arch, ST3:Jun
64:1:3921
Dsc: Richard L. de Neufville, ST5:Oct 64:
243:4066; Glenn B. Woodruff, ST5:Oct 64:244:
4066
Corr: ST2:Apr 65:158:4285
TR:130:319
Dsc, ST5:Oct 65:374:4498, of "Membrane
Forces and Buckling in Reticulated Shells", ST1:
Feb 65:173:4227

BRAKENSIEK, D. L.

Dsc, HY6:Nov 65:234:4527, of "Computer
Analysis of Overland Flow", HY3:May 65:81:
4325

BRATER, ERNEST F.

See Khalil I. Beftinjani, WW3:Aug 65:37:4434

BRAVERMAN, M. M.

New York City's Air Pollution Index, with
C. Theophil, CE:Apr 65:64

BREDAR, WILLIAM L.

Colorado--Denver's Metro Waste Treatment
Plant, CE:Dec 65:64

BRETTING, A. E.

Dsc, HY2:Mar 65:341:4249, of "Experiments on
Small Streams in Alluvium", HY4:Jul 64:1:3959

BRINSER, AYERS

Role of Government on Water Resource De-
velopment, IR4:Dec 65:13:4558

BRISTOR, JOHN D.

Dsc, CO1:May 65:198:4309, of "Changed
Conditions Clause in Construction Contracts",
CO2:Sep 64:37:4035

BRITTAN, RAYMOND O.

Reactor Containment and Environmental Con-
siderations, UP1:Sep 64:21:4037
Dsc: William B. Cottrell, UP1:Jul 65:50:4388;
Joel O. Lubenau and Francis J. Haughey, UP1:
Jul 65:51:4388; William C. Siler, UP1:Jul 65:
52:4388

BRITVEC, S. J.

Elastic Buckling of Rigidly-Jointed Braced
Frames, with A.H. Chilver, EM6:Dec 63:217:
3736
Dsc: Niels C. Lind, EM2:Apr 64:261:3882
Clo: EM6:Dec 64:257:4160
TR:130:173

BROCK, W. S.

Canada--Winnipeg Favors Utility Construction
in Winter, CE:Jul 65:66

BROMS, BENGT B.

Design of Laterally Loaded Piles, SM3:May 65:
79:4342
Lateral Resistance of Piles in Cohesionless
Soils, SM3:May 64:123:3909
Dsc: Shamsher Prakash and S.L. Agarwal,
SM1:Jan 65:210:4197
Clo: SM4:Jul 65:195:4394
Lateral Resistance of Piles in Cohesive Soils,
SM2:Mar 64:27:3825
Dsc: Lyman W. Heller, SM6:Nov 64:211:4122;
Hudson Matlock and Berry R. Grubbs, SM1:
Jan 65:183:4197
Clo: SM4:Jul 65:187:4394
Self-Recording Soil Penetrometer, with D.E.
Broussard, SM1:Jan 65:53:4200
Dsc: Joaquin Fernandez-Zuazo, SM3:May 65:
162:4308
Clo: SM6:Nov 65:114:4525
Shear Strength of an Anisotropically Consoli-
dated Clay, with M.V. Ratnam, SM6:Nov 63:1:
3691
Dsc: T.S. Nagaraj, SM4:Jul 64:193:3979

BROMS, BENGT B. Continued

- Clo: SM1:Jan 65:182:4197
 TR:130:303
 Shear Strength of a Soil After Freezing and Thawing, with Leslie Y. C. Yao, SM4:Jul 64:1:3958
 Dsc: Chester W. Kaplar, SM2:Mar 65:91:4257
 Clo: SM5:Sep 65:92:4457
 Dsc, SM4:Jul 65:199:4394, of "Piles in Cohesionless Soil Subject to Oblique Pull", SM6:Nov 64:11:4124

BROMWELL, LESLIE G.

- Dsc, SM5:Sep 65:114:4457, of "Engineering Properties of Simulated Lunar Soils", SM1:Jan 65:25:4199

BROOKS, HARVEY

- Challenge to Civil Engineering, PP1:Jan 64:21:3750
 Dsc: James M. Abernathy, PP2:May 64:65:3910; Adolph J. Ackerman, PP1:Jan 65:29:4186; Sergei N. Grimm, PP1:Jan 65:30:4186

BROTCHIE, JOHN F.

- Direct Design of Framed Structures, ST6:Dec 64:243:4182
 Dsc: Frederic T. Mavis, ST2:Apr 65:212:
 Clo: ST4:Aug 65:244:4432
 Dsc, ST4:Aug 65:232:4432, of "Optimum Synthesis of Prestressed Structures", ST6:Dec 64:189:4178

BROUSSARD, D. E.

- See Bengt B. Broms, SM1:Jan 65:53:4200

BROWER, JAMES A.

- Dsc, CE:Jun 65:72, of "The Younger Viewpoint," CE:Mar 65:78

BROWN, BELFORD

- Economics and Finance in Airport Planning, AT2:Oct 64:197:4080
 TR:130:488

BROWN, DONALD N.

- See Richard G. Ahlvin, AT2:Oct 65:29:4489

BROWN, F. STEWART

- Dsc, CE:Aug 65:75, of Report of ASCE Water Resources Conference in Mobile, Ala., CE:Apr 65:46

BROWN, FRED R.

- Navigation Locks: End Filling and Emptying Systems for Locks, WW1:Feb 64:61:3792
 Dsc: Johannes B. Schijf, WW4:Nov 64:169:4117
 Clo: WW3:Aug 65:143:4420
 TR:130:651

BROWN, JOHN F.

- Airport Accessibility Affects Passenger Development, AT1:Apr 65:47:4302

BROWN, LEVANT R.

- Memoir of, TR:130:816

BROWN, PHILIP P.

- Airfield Pavement Evaluation Procedures, AT1:Apr 65:15:4299
 Dsc: G. Y. Sabastyan, AT2:Oct 65:78:4505; Richard A. P. Berry, AT2:Oct 65:87:4505
 Dsc, AT1:Apr 65:67:4279, of "Rigid and Stiff Airport Paving", AT1:May 64:17:3893

BRUNGTON, ARTHUR E.

- Operating a Sea Water Barrier Project, with Frederick D. Seares, IR1:Mar 65:117:4264
 Dsc: Paul Baumann, IR3:Sep 65:98:4453; Stanley S. Butler, IR4:Dec 65:107:4550

BRUMER, MILTON

- Quality Control for Steel Construction, with Frank Stahl, CE:Oct 65:76

BRUSH, LUCIEN M.

- Accelerated Motion of a Sphere in a Viscous Fluid, with Hau-Wong Ho, and Ben-Chie Yen, HY1:Jan 64:149:3764
 Dsc: Walter H. Graf, HY4:Jul 64:365:3980; L. F. Mockros and A. T. Hjelmfelt, HY4:Jul 64:367:3980
 Clo: HY3:May 65:273:4304
 TR:130:541

BRUTSAERT, WILFRIED

- Dsc, HY2:Mar 65:392:4249, of "Estimating Evaporation from Insolation", HY5:Sept 64:33:4025
 Dsc, HY5:Sep 65:280:4464, of "Vertical Drainage of an Unsaturated Soil", HY1:Jan 65:55:4196
 See Hassan Ali Ibrahim, IR2:Jun 65:21:4357

BRUUN, PER

- Dsc, HY2:Mar 65:333:4249, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

BRYAN, ERIC R.

- Shear of Thin Plates with Flexible Edge Members, with Wagih M. El-Dakhkhni, ST4:Aug 64:1:3991
 TR:130:289

BUCHANAN, THOMAS J.

- Time of Travel of Soluble Contaminants in Streams, SA3:Jun 64:1:3932
 Dsc: Hugo B. Fisher, SA6:Dec 64:129:4171; Ben B. Ewing, SA1:Feb 65:79:4213
 Clo: SA4:Aug 65:50:4421
 TR:130:669

BUCHERT, KENNETH P.

- Dsc, ST3:Jun 65:298:4346, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

BUETTNER, DONALD R.

- Influence-Line Spectrum by Graphical Construction, with Charles G. Salmon, CE:Jul 64:54
 TR:130:428
 See Charles G. Salmon, ST2:Apr 64:257:3879

- BUGGE, WILLIAM A.**
Designing the San Francisco Bay Area Rapid Transit System, with Leslie Irvin, CE:Oct 64:58
Dsc, W.A. Bugge, CE:Jan 65:83
TR:130:559
- BUGLIARELLO, GEORGE**
Non-Newtonian Flows--Their Value in Civil Engineering, CE:Aug 65:68
Random Walk Study of Convective Diffusion, with Eugene D. Jackson, III, EM4:Aug 64:49:4003
Dsc: Mikio Hino, EM2:Apr 65:77:4286; Nobuhiro Yotsukara, EM2:Apr 65:84:4286; Jan M. Jordaan, Jr., EM2:Apr 65:86:4286
See Viraf S. Bhavnagri, HY2:Mar 65:149:4265
- BUHR, VICTOR W.**
Dsc, CE:Nov 65:98, of "Interprofessional Relations," CE:Aug 65:33
- BUKER, PAUL**
Cold-Formed Steel Members for Economy and Easy Assembly, CE:May 65:64
- BURAS, NATHAN**
Dsc, HY2:Mar 65:377:4249, of "Optimum Design of Multi-Purpose Reservoirs", HY4:Jul 64:141:3972
Dsc, IR4:Dec 65:92:4550, of "Preliminary Optimization of an Aqueduct Route", IR1:Mar 65:45:4248
- BURNETT, ARDEN L.**
See James R. Ayers, WW2:May 63:15:3523
- BURNS, HOWARD C.**
See Martin A. Warskow, AT2:Oct 63:1:3674
- BURNS, JOHN J., JR.**
Experimental Buckling of Thin Shells of Revolution, EM3:Jun 64:171:3946
TR:130:528
- BURROUGHS, EDWARD R., JR.**
Dsc, HY5:Sep 65:193:4464, of "Use of Neutron Meters in Soil Moisture Measurement: Progress Report of the Task Force on Use of Neutron Meters", HY6:Nov 64:21:4123
- BURTMAN, LEONARD**
See Dennis A. O'Leary, WW2:May 65:57:4307
- BUSCH, ARTHUR W.**
Dsc, SA6:Dec 65:62:4546, of "Role of Protozoa in the Diphasic Exertion of BOD", SA3:Jun 65:63:4371
See Edward D. Schroeder, SA5:Oct 65:76:4492
- BUSH, ALBERT F.**
Urban Atmospheric Pollution, CE:May 65:66
Dsc: M.I. Goldman, CE:Aug 65:74; Author's reply, CE:Aug 65:75
- BUSTAMANTE, JORGE I.**
Dsc, SM4:Jul 65:208:4394, of "Earthquake Stability of Slopes of Cohesionless Soils", SM6:Nov 64:43:4128
Dsc, with Emilio Rosenblueth, EM4:Aug 65:192:4433, of "Probability of Structural Failure Under Random Loading", EM5:Oct 64:147:4088
- BUTLER, STANLEY**
Dsc, IR4:Dec 65:107:4550, of "Operating a Sea Water Barrier Project", IR1:Mar 65:117:4264
- CALDWELL, LAMAR H.**
See Howard L. Payne, ST5:Oct 65:43:4499
- CAMP, FRED A.**
Dsc, CE:Aug 65:75, of "Membership Promotion in ASCE," CE:Jun 65:35
- CAMP, THOMAS R.**
Field Estimates of Oxygen Balance Parameters, SA5:Oct 65:1:4485
Theory of Water Filtration, SA4:Aug 64:1:3990
Dsc: Kenneth J. Ives, SA1:Feb 65:92:4213; R. M.W. Horner and Christopher R. Ison, SA2:Apr 65:67:4281; Donald R. Stanley, SA2:Apr 65:71:4281; W.R. Conley, SA2:Apr 65:72:4281; Igor Tesarik, SA2:Apr 65:80:4281; Herbert E. Hudson, Jr., SA2:Apr 65:80:4281; Arun K. Deb, SA2:Apr 65:84:4281; Rolf Eliassen, SA2:Apr 65:91:4281; Charles R. O'Melia, SA2:Apr 65:92:4281
Clo: SA5:Oct 65:55:4492
- CAMPBELL, E. WILSON**
See George Haikalis, UP1:Sep 63:1:3626
- CAMPBELL, FRANK B.**
Boundary Layer Development and Spillway Energy Losses, with Robert C. Cox and Marden B. Boyd, HY3:May 65:149:4331
Dsc: Bruce Hunt and Rene Chevray, HY6:Nov 65:238:4527; Enzo Levi, HY6:Nov 65:241:4527
- CAMPBELL, HENRY BAYNE**
Memoir of, TR:130:817
- CAMPENELLA, RICHARD G.**
See James K. Mitchell, SM4:Jul 65:41:4392
- CARLSON, ROGER H.**
See Walter J. Weber, Jr., SA3:Jun 65:140:4353
- CARLSON, ROLAND H.**
Dsc, WW3:Aug 65:148:4420, of "Nuclear Excavation of a Sea-Level Isthmian Canal", WW4:Nov 64:27:4129
- CARMAN, DELBERT C.**
Preliminary Analysis of Continuous Curved Girder Frames, with Jan J. Tuma, ST4:Aug 64:191:4012
TR:130:642

CAROTHERS, HENRY P.

Rigid and Stiff Airport Paving, AT1:May 64: 17:3893

Dsc: Philip P. Brown, AT1:Apr 65:67:4279;

Ralph F. Reuss, AT1:Apr 65:68:4279; E.S.

Barber, AT1:Apr 65:70:4279

Clo: AT2:Oct 65:73:4505

TR:130:791

CARR, JAMES H., JR.

Dsc, ST4:Aug 65:252:4432, of "Wood Beams Prestressed with Bonded Tension Elements", ST1:Feb 65:103:4218

CARR, JAMES K.

Airports and Transit Systems--the Engineer's Challenge, CE:Apr 65:38

Dsc: Herbert C. Westfall, CE:Jun 65:72

CARR, JAMES R.

The Airport and its Approaches, with John R. Eva, AT2:Oct 65:39:4490

CARROLL, J. DOUGLAS, JR.

New Ways to See Land Use and Transportation, CE:Aug 64:62

TR:130:365

CARSTENS, M. R.

Water Hammer Resulting from Cavitating Pumps, with T.W. Hagler, Jr., HY6:Nov 64: 161:4143

Dsc: Don J. Wood, HY3:May 65:393:4304;

Bruce B. Sharp, HY5:Sep 65:229:4464

CARTER, H. R.

Better Activated Sludge by the Kessener-Brush Aeration Process, CE:Dec 65:67

CARTER, MELVIN W.

See Conrad P. Straub, SA6:Dec 64:25:4159

CARTER, RALF C.

See Harvey F. Ludwig, SA3:Jun 64:27:3947

CASAGRANDE, ARTHUR

Role of the 'Calculated Risk' in Earthwork and Foundation Engineering, SM4:Jul 65:1:4390

CASAGRANDE, LEO

Effect of Preconsolidation on Settlements, SM5: Sep 64:349:4041

TR:130:578

CASSIDY, JOHN J.

Irrational Flow Over Spillways of Finite Height, EM6:Dec 65:155:4591

Dsc, EM1:Feb 65:172:4212, of "Solution of Highly Curvilinear Gravity Flows", EM3: Jun 64:195:3950

CASSIDY, WILLIAM

ASCE Fellow made Chief of Engineers, CE:Jun 65:94

CATANZARO, CARLO

See Michele Pagano, ST5:Oct 65:391:4498

CATES, WALTER H.

Design of Flexible Steel Pipe Under External Loads, PL1:Jan 64:21:3767

Dsc: Edward J. Low, PL2:Nov 64:63:4120; K.

V. Swaminathan, PL2:Nov 64:64:4120

Clo: PL1:Jul 65:77:4397

TR:130:599

CEFOLA, ANSELM

Design of Concrete Beams and Slabs, CE:Oct 65:83

CELIS, A. J.

Zero Sidesway Axis of Rigid Frames, with P. Glockner, ST5:Oct 63:65:3662

Dsc: F. P. Wiesinger, ST1:Feb 64:271:3812;

German Gurfinkel, ST1:Feb 64:272:3812; Ralph

R. Mozingo, ST1:Feb 64:277:3812; Phillip L.

Gould, ST1:Feb 64:278:3812; Peter F. Adams,

ST2:Apr 64:389:3886; A. Zaslavsky and S.

Fersht, ST2:Apr 64:391:3886

Clo: ST4:Aug 64:281:4001

TR:130:19

CERMAK, JACK E.

See Hsing Chuang, HY6:Nov 65:1:4526

CHABERT, J.

Dsc, with M. Remilieux, WW4:Nov 65:70:4531, of "Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works", WW1:Feb 65:7:4236

CHADWICK, WALLACE L.

A Civil Engineer--and Proud of It, CE:Jan 65:37

A Design for the Future, CE:Jun 65:36

Are We Geared to Long-Range Objectives?, CE:Jan 65:38

Civil Engineering Responsibilities and Engineering Education, CE:Jul 65:35

Contracting Conditions and Construction Quality, CE:Aug 65:53

Dsc: M. Harry Wartur, CE:Nov 65:99

The Civil Engineer and His Education,

CE:Sep 65:31

You and Your Local Section, CE:Apr 65:37

CHAJES, ALEXANDER

Torsional-Flexural Buckling of Thin-Walled Members, with George Winter, ST4:Aug 65:103: 4442

Dsc: Charles G. Culver, ST6:Dec 65:300:4547

CHAKKO, K. C.

Generalized Resection Method in Surveying, SU1:Apr 65:23:4290

CHANDLER, E. LAWRENCE

To Bargain or Not to Bargain, CE:Aug 65:41

CHANDRASHEKHARA, K.

See K. T. Sundara Iyengar, ST2:Apr 65:171:4285

CHANG, C. H.

See Ernest F. Masur, EM2:Apr 64:33:3863

CHANG, JERRY C. L.

See Rodney J. Clifton, ST5:Oct 63:133:3675

CHANG, WILLIAM N.

See Desi D. Vasarhelyi, ST4:Aug 65:1:4422

CHANG, YAO, W.

Vibrations and Stability of Buckled Panels, with Ernest F. Mansur, EM5:Oct 65:1:4497

CHANG, YIN-CHOW

Design of Footing for Exposed Exterior Column, SM4:Jul 65:77:4401

CHAO, HENRY

Dsc, ST3:Jun 65:292:4346, of "Optimum Structural Design Using Linear Programming", ST6:Dec 64:89:4163

CHAO, J. L.

Study of Static Pressure Along a Rough Boundary, with Virgil A. Sandborn, HY2:Mar 65:193:4269

Dsc: Hans J. Leutheusser, HY6:Nov 65:206:4527

CHARLTON, THOMAS M.

Dsc, EM4:Aug 65:207:4433, of "Complementary Energy Method for Finite Deformations", EM6:Dec 64:49:4164

CHARLU, K. L. N.

See A.G. Mirajgaoker, HY5:Sept 63:29:3630

CHARMONMAN, SRISAKDI

Dsc, HY5:Sep 65:324:4464, of "Theoretical Aspects of Seepage from Open Channels", HY3:May 65:37:4321

CHARNES, ABRAHAM

See Jimmie E. Quon, SA5:Oct 65:17:4491

CHASE, E. SHERMAN

Education for Sanitary Engineers, PP2:May 64:15:3894

Dsc: Sir George McNaughton, PP1:Jan 65:49:4186; Ray E. Lawrence, PP1:Jan 65:50:4186; James Kip Finch, PP1:Jan 65:51:4186; Gordon M. Fair PP1:Jan 65:54:4186; P.J. Norris, PP1:Jan 65:56:4186

Clo: PP2:Sept 65:85:4454
TR:130:801

CHEN, TIO-CHUN

Pressure Distribution on Spillway Flip Buckets, with Yun-Sheng Yu, HY2:Mar 65:51:4251

Dsc: Armando Balloffet, HY6:Nov 65:171:4527

CHEN, TSU-FANG

Disintegration of a Turbulent Water Jet, with John R. Davis, HY1:Jan 64:175:3772

Corr: HY6:Nov 64:273:4130
TR:130:97

CHENEY, JAMES A.

Bending and Buckling of Thin-Walled Open-Section Rings, EM5:Oct 63:17:3665

Dsc: Daniel Frederick, EM2:Apr 64:255:3882;

D.A. DaDeppo and Robert Schmidt, EM3:Jun 64:283:3936

Clo: EM6:Dec 64:245:4160

TR:130:85

Deflection of Hinged Rings Under Uniform Pressure, EM6:Dec 63:161:3721

Dsc: Arthur R. Robinson, EM3:Jun 64:291:

3936; K.V. Swaminathan, EM4:Aug 64:171:4000

Clo: EM1:Feb 65:153:4212

TR:130:451

Dsc, ST1:Feb 65:328:4216, of "Buckling of a Prestressed Circular Ring", ST4:Aug 64:235:4018

CHESSON, EUGENE, JR.

Bolted Bridge Behavior During Erection and Service, ST3:Jun 65:57:4365

High-Strength Bolts Subjected to Tension and Shear, with Norberto L. Faustino and William H. Munse, ST5:Oct 65:155:4512

See Gordon H. Sterling, ST5:Oct 65:279:4515

CHEVRAY, RENE

See Bruce Hunt, HY6:Nov 65:238:4527

CHIANG, FU-PEN

A Method to Increase the Accuracy of Moire Method, EM1:Feb 65:137:4239

Dsc: Eric Middleton, EM5:Oct 65:227:4495

CHILVER, A. H.

See S.J. Britvec, EM6:Dec 63:217:3736

CHIU, ARTHUR N. L.

Vibration of Towers as Related to Wind Pulses, with Donald A. Sawyer and Linton E. Grinter, ST5:Oct 64:137:4114

Dsc: A. Ben Clymer, ST3:Jun 65:287:4346; C. Allin Cornell, Leon B. Groisser, and Jose M. Roesset, ST3:Jun 65:287:4346

CHIU, CHAO-LIN

See James A. Liggett, HY6:Nov 65:99:4538

CHOW, JOSEPH C. F.

Application of Acoustics in Air Pollution Problems, SA4:Aug 64:59:4005

TR:130:624

CHOW, LEE

Rice Irrigation, IR3:Sep 65:35:4472

CHOW, VEN TE

Sequential Generation of Rainfall and Runoff Data, with S. Ramaseshan, HY4:Jul 65:205:4416

Dsc: Myron B. Fiering, HY6:Nov 65:252:4527

- CHRISTENSEN, BENT A.**
Dsc, HY5:Sep 65:301:4464, of "Erosion and Deposition of Cohesive Soils", HY1:Jan 65:105:4204
Dsc, HY5:Sep 65:293:4464, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202
- CHRISTENSEN, RICHARD W.**
Analysis of Clay Deformation As A Rate Process, with Tien Hsing Wu, SM6:Nov 64:125:4147
Dsc: Sakuro Murayama, SM4:Jul 65:225:4394; Jagdish Narain and Bhawani Singh, SM4:Jul 65:230:4394
- CHRISTENSON, C. W.**
See Earnest F. Gloyna, SA1:Feb 64:43:3793
- CHRISTENSON, JAMES A.**
Dsc, HW2:Dec 65:131:4548, of "Vertical Curve Plotting with Circular Templates", HW2:Aug 64:1:3998
- CHRISTIANSEN, JERALD E.**
Dsc, IR1:Mar 65:221:4242, of "Design of Tile Drainage for Arid Regions", IR3:Sep 64:1:4036
Dsc, HY1:Jan 65:236:4192, of "Estimating Evaporation from Insolation", HY5:Sep 64:33:4025
Dsc, IR1:Mar 65:224:4242, of "Nonuniformity and Sprinkler Application Efficiency", IR3:Sept 64:41:4052
Dsc, IR1:Mar 65:227:4242, of "Sprinkler Non-uniformity Characteristics and Yield", IR3:Sept 64:55:4053
- CHRISTIE, I. F.**
Dsc, with A. J. M. Soane, EM6:Dec 65:183:4549, of "Analog Computer Analysis of Static Beams", EM2:Apr 65:47:4303
- CHU, KUANG-HAN**
Elastic and Inelastic Buckling of Portal Frames, with Algis Pabarcus, EM5:Oct 64:221:4094
Dsc: Peter F. Adams and Joseph A. Yura, EM2:Apr 65:94:4286
Clo: EM4:Aug 65:196:4433
TR:130:773
Plastic Analysis of Circular Balcony Girders, with Arthur Thelen, ST6:Dec 63:159:3726
Dsc: Le-Wu Lu, ST3:Jun 64:415:3940
Clo: ST5:Oct 64:203:4066
TR:130:62
- CHUANG, HSING**
Turbulence Measured by Electrokinetic Transducers, with Jack E. Cermak, HY6:Nov 65:1:4526
- CHUCK, ROBERT R.**
Dsc, HY5:Sep 65:234:4464, of "Development of Ground Water in Hawaii", HY6:Nov 64:185:4144
- CHUN, ROBERT Y. D.**
Ground-Water Management for the Nation's Future—Optimum Conjunctive Operation of Ground-Water Basins, with Lewis R. Mitchell and Kiyoshi W. Mido, HY4:Jul 64:79:3965
TR:130:355
- CLAFFEY, PAUL J.**
User Criteria for Rapid Transit Planning, UP1:Sep 64:5:4029
TR:130:360
- CLARK, BRADFORD N.**
See W.O. Hiltabidle, Jr., CO1:May 65:141:4340
- CLARK, C. SCOTT**
Dsc, with F. Pierce Linaweaver, Jr., SA3:Jun 65:135:4353
- CLARK, CHARLES E.**
Hog Waste Disposal by Lagooning, SA6:Dec 65:27:4567
- CLARK, GLEN**
See Patrick Domenico, SM3:May 64:33:3892
- CLARK, HERBERT E. JR.**
Dsc, CE:Jul 65:76, on photo caption in "Urban Atmospheric Pollution", CE:May 65:67
- CLARK, JOHN W.**
Design of Aluminum Tubular Members, with Richard L. Rolf, ST6:Dec 64:259:4184
Dsc: Roland G. Sturm, ST4:Aug 65:246:4432
See Glenn E. Nordmark, ST6:Dec 64:35:4156
See James C. Young, SA1:Feb 65:43:4232
- CLEASLEY, JOHN L.**
Dsc, SA6:Dec 65:64:4546, of "Filtration Through Size-Graded Media", SA3:Jun 65:89:4378
- CLIFTON, RODNEY J.**
Analysis of Orthotropic Plate Bridges, with Jerry C.L. Chang and Tung Au, ST5:Oct 63:133:3675
Dsc: Robert Schmidt, ST1:Feb 64:283:3812; Kuang-Han Chu and G. Krishnamoorthy, ST2:Apr 64:395:3886; Luis P. Saenz, ST2:Apr 64:398:3886; Roman Wolchuk, ST3:Jun 64:393:3940
Clo: ST6:Dec 64:297:4157
TR:130:139
See Vilis Vitols, ST4:Aug 63:71:3584
- CLOSE, ROSS A.**
Deflection of Circular Curved I Beams, ST1:Feb 64:203:3804
Dsc: Charles J. Gaylord, ST5:Oct 64:221:4066; Zdenek P. Bazant, ST5:Oct 64:221:4066
Clo: ST1:Feb 65:292:4216
TR:130:419
- CLOUGH, RAY W.**
Finite Element Analysis of Axi-Symmetric Solids, with Yusef Rashid, EM1:Feb 65:71:4229
Dsc: Richard H. Gallagher, EM3:Jun 65:293:4348

CLOUGH, RAY W. Continued

Structural Analysis of Multistory Buildings,
with Ian P. King and Edward L. Wilson, ST3:
Jun 64:19:3925

Dsc: George Kostro, ST6:Dec 64:367:4157
Semih S. Tezcan, ST1:Feb 65:301:4216; A.A.
Eremin, ST1:Feb 65:303:4216; James L.
Tocher, ST1:Feb 65:303:4216
Clo: ST4:Aug 65:191:4432
TR:130:729

CLYDE, D. H.

Dsc, with R. Sharpe, ST4:Aug 65:236:4432, of
"Optimum Synthesis of Prestressed Structures",
ST6:Dec 64:189:4178

CLYMER, A. BEN

Dsc, ST3:Jun 65:287:4346, of "Vibration of
Towers as Related to Wind Pulses", ST5:Oct 64:
137:4114

COHEN, BENJAMIN P.

How to Inspect Construction, CE:Oct 65:62

COLBY, BRUCE R.

Practical Computations of Bed-Material Dis-
charge, HY2:Mar 64:217:3843
Dsc: Carl F. Nordin, Jr., HY6:Nov 64:309:
4130; Charles R. Neill, HY6:Nov 64:313:4130
Clo: HY3:May 65:284:4304
TR:130:383

COLE, DALLAS E.

Dsc, with W. Don Maughan, IR4:Dec 65:120:
4550, of "Determining Bank Storage of Lake
Mead", IR1:Mar 65:141:4268
See Wesley E. Steiner, IR4:Dec 65:78:4550

COLONELL, JOSEPH M.

Dsc, HY6:Nov 65:199:4527, of "Flow Measure-
ments at Columbia River Power Plants", HY2:
Mar 65:125:4263

COLONY, DAVID C.

Dsc, HW2:Dec 65:150:4548, of "Effect of
Floods and Obsolescence on Bridge Life", HW1:
Jan 65:55:4208

CONLEY, W. R.

Dsc, SA2:Apr 65:72:4281, of "Theory of Water
Filtration", SA4:Aug 64:1:3990

CONWELL, WILLIAM A.

What ASCE Is Doing, with Policy Statement on
Continuing Education, CE:May 65:32

COOK, JOHN P.

Photosensitive Plastics Extend the Range of
Photoelastic Stress Studies, CE:Nov 65:87

COOPER, FREDRICK C.

Water Purification by Forced-Flow Electro-
phoresis, with Quentin M. Mees and Milan Bier,
SA6:Dec 65:13:4557

COOPER, PETER B.

Welded Constructional Alloy Plate Girders,
with H.S. Lew and B.T. Yen, ST1:Feb 64:1:
3784
TR:130:123

CORNELL, C. ALLIN

Dsc, with Kenneth F. Reinschmidt, ST4:Aug 65:
215:4432, of "Optimum Structural Design Using
Linear Programming", ST6:Dec 64:89:4163
Dsc, EM3:Jun 65:273:4348, of "Probabilistic
Design to Resist Earthquakes", EM5:Oct 64:
189:4090
Dsc, with Leon B. Groisser and Jose M.
Roesset, ST3:Jun 65:287:4346, of "Vibration of
Towers as Related to Wind Pulses", ST5:
Oct 64:137:4114

CORRADI, PETER A.

Military Engineering in Vietnam, CE:Nov 65:47

COSTANTINO, CARL J.

See Martin A. Salmon, ST3:Jun 65:229:4384

COTTRELL, WILLIAM B.

Dsc, UP1:Jul 65:50:4388, of "Reactor Con-
tainment and Environmental Considerations",
UP1:Sep 64:21:4037

COULL, ALEXANDER

Direct Stress Analysis of Orthotropic Bridge
Slabs, ST2:Apr 64:1:3856
TR:130:13

COX, DOAK C.

Dsc, HY5:Sep 65:238:4464, of "Development of
Ground Water in Hawaii", HY6:Nov 64:185:4144

COX, ROBERT C.

See Frank B. Campbell, HY3:May 65:148:4331

COZZENS, HOWARD FRANCIS

Memoir of, TR:130:817

CRADDOCK, DABNEY S., III

A Critique of Engineering Education, PP2:
Sep 65:7:4461

CRANDALL, DAVID L.

Reservoir Topography by Shoreline Plotting,
SU1:Apr 64:39:3874
Dsc: Daniel Kennedy, SU1:Apr 65:64:4280

CRAWFORD, CARL B.

Interpretation of the Consolidation Test, SM5:
Sep 64:87:4056
Dsc, SM6:Nov 65:127:4525, of "Settlement
Analyses, A Review of Theory and Testing",
SM2:Mar 65:39:4275
Dsc: Nyal E. Wilson and M. B. Lo, SM1:
Jan 65:231:4197; John H. Schmertmann, SM2:
Mar 65:131:4257; Adolph G. Altschaeffl, SM3:

CRAWFORD, CARL B. Continued

May 65:146:4308; Harvey E. Wahls and Nelson
S. de Godoy, SM3:May 65:147:4308
Clo: SM6:Nov 65:104:4525

CRAWFORD, ROBERT E.

Limit Design of Reinforced Concrete Slabs,
EM5:Oct 64:321:4105
Dsc: German Gurfinkel, EM1:Feb 65:181:4212
Clo: EM4:Aug 65:198:4433
TR:130:768

CRENSHAW, ALLEN E.

Dsc, ST4:Aug 65:224:4432, of "Three Moment
Equation for Variable Depth Beams", ST6:
Dec 64:149:4172

CRESKOFF, JACOB J.

Dsc, ST1:Feb 65:332:4216, of "Vacuum-Cast
Refractory Castables", ST5:Oct 64:85:4107

CRIPPEN, JOHN R.

Cycles in Hydrologic Data, CE:Jan 65:70
Dsc: Gordon R. Williams, CE:Mar 65:62
Dsc, HY2:Mar 65:395:4249, of "Areal Vari-
ations of Mean Annual Runoff", HY5:Sept 64:61:
4030

CRISMAN, W. C.

See Billy J. Harris, EM3:Jun 65:93:4370

CULBERTSON, JAMES K.

See Joseph P. Beverage, HY6:Nov 64:117:4136

CULVER, CHARLES G.

Dsc, ST6:Dec 65:300:4547, of "Torsional-
Flexural Buckling of Thin-Walled Members",
ST4:Aug 65:103:4442

CUMMING, JAMES D.

See Richard J. Frankel, SA2:Apr 65:33:4297

CUNIFF, PATRICK F.

See G. J. O'Hara, EM2:Apr 64:51:3866

CURRAN, CHARLES D.

Dsc, PP2:Sep 65:80:4454, of "Trend in Water
Resources Education", PP2:May 64:1:3889

CURTIS, J. J.

See W. A. Waldorf, SM4:Jul 63:91:3576

CURTIS, KENNETH S.

The Case of the Missing Curriculum, SU2:Jul
64:27:3963
Dsc: Walter S. Dix, SU1:Apr 65:64:4280;
Asit K. Biswas, SU1:Apr 65:65:4280; Linton
E. Grinter, SU1:Apr 65:66:4280; Richard R.
Mayer, SU1:Apr 65:68:4280

CUSENS, ANTHONY R.

Design of Concrete Multibeam Bridge Decks,
with Ricardo P. Pama, ST5:Oct 65:255:4518

DAGAN, GEDEON

Spacing of Drains by an Approximate Method,
IR1:Mar 64:41:3824

Clo: IR1:Mar 65:212:4242

TR:130:81

Steady Drainage of Two-Layered Soil, IR3:
Sep 65:51:4474

Dsc, HY6:Nov 65:221:4527, of "Initial Motion
Problem in Porous Media", HY3:May 65:61:4322
See Jacob Bear, HY4:Jul 64:193:3988

d'AGOSTINO, SALVATORE

See Giuliano Augusti, EM1:Feb 64:69:3802

DALLEY, D. G.

Utah--A National Forest at Vernal Goes
Modern, CE:Sep 65:67

DALLY, J. W.

See C. W. Beadle, EM6:Dec 64:211:4183

DALY, ELTON F.

Mounting Plate Glass in Sides of Flumes and
Tanks, CE:Jun 65:74

DAMIANO, DAVID J.

Vacuum-Cast Refractory Castables, ST5:Oct
64:85:4107
Dsc: Jacob J. Creskoff, ST1:Feb 65:332:4216
Clo: ST3:Jun 65:280:4346
TR:130:539

DANN, HOWARD E.

Unlined Tunnels of the Snowy Mountain Hydro-
Electric Authority, Australia, with W. P. Hart-
wig and J. R. Hunter, PO3:Oct 64:47:4071
Dsc: Frederic L. Lawton, PO1:May 65:118:
4313; A. Rufenacht, PO1:May 65:120:4313;
John W. Morris, PO1:May 65:123:4313
Dsc, PO1:May 65:115:4313, of "Rock Trap
Experience in Unlined Tunnels", PO3:Oct 64:29:
4067

D'APPOLONIA, E.

Load Transfer in a Step-Taper Pile, with J.
A. Hribar, SM6:Nov 63:57:3700
Dsc: K. V. Swaminathan, SM4:Jul 64:199:
3979
Clo: SM3:May 65:103:4308
TR:130:353

DARLING, JAMES W.

Dsc, CE:Mar 65:63, on "Guam Typhoon
Tears Out Hospital Windows", CE:Mar 65:63

DARRAGH, ROBERT D.

Controlled Water Tests to Preload Tank Foun-
dations, SM5:Sep 64:303:4059
Dsc: Ulrich W. Stoll, SM2:Mar 65:135:4257;
William J. Thompson and Sidney P. Victory,
Jr., SM3:May 65:154:4308

da SILVEIRA, I.

Dsc, SM3:May 65:159:4308, of "Methods of
Estimating Settlement", SM5:Sep 64:43:4060
Dsc, SM2:Mar 65:105:4257, of "Pore Pressures
and Bearing Capacity of Layered Clays", SM4:
Jul 64:27:3960
Dsc, SM2:Mar 65:127:4257, of "Settlement
Response Caused by Footing Groups", SM5:
Sept 64:269:4045

DAVENPORT, ALAN G.

Dynamic Behavior of Massive Guy Cables, with George N. Steels, ST2:Apr 65:43:4293

DAVIES, D. S.

See R.N. Rickles, SA1:Feb 65:91:4213

DAVIS, ELLSWORTH I.

Stabilizing the Lower Mississippi River, with Ernest B. Lipscomb, CE:Nov 65:64

DAVIS, JOHN R.

See Tsu-Fang Chen, HY1:Jan 64:175:3772

See Ali M. Shahroody, IR1:Mar 64:1:3817

DAVIS, RAYMOND E.

California Builds Experimental Orthotropic Plate Bridge, with Ostap Bender, CE:Nov 64:62
Dsc: Roman Wolchuk, CE:Jan 65:83
TR:130:547

DAVISSON, MELVIN T.

Dsc, SM4:Jul 65:224:4394, of "Buckling of Long Unsupported Timber Plates", SM6:Nov 64:107:4141

DAWDY, DAVID R.

Mathematical Models of Catchment Behavior, with Terence O'Donnell, HY4:Jul 65:123:4410

DAWSON, JACK

Dsc, CE:Jul 65:76, on 4-legged tripod on May cover, CE:May 65

DAWSON, RAYMOND F.

Land Subsidence Problems, SU2:Jun 63:1:3531
Dsc: E.H. Harlow, SU3:Oct 63:217:3684; Paul Weaver, SU3:Oct 63:218:3684; Everett D. Morse, SU1:Apr 64:73:3885; H.P. Carothers and Mason G. Lockwood, SU1:Apr 64:75:3885; John A. Focht, Jr., SU1:Apr 64:78:3885
Clo: SU1:Apr 65:53:4280
TR:130:206

DEAN, DONALD L.

Lamella Beams and Grids, EM2:Apr 64:107:3869

Corr: EM1:Feb 65:159:4212

TR:130:255

Dsc, with Celina Ugarte, ST5:Oct 65:378:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

DEAN, ROBERT G.

Long Wave Modification by Linear Transitions, WW1:Feb 64:1:3787
Dsc: Shu-t'ien Li, WW4:Nov 64:157:4117; Basil W. Wilson, WW4:Nov 64:161:4117
Clo: WW3:Aug 65:141:4420
TR:130:689

DEARSTYNE, S. CHAS.

Subgrade Stabilization Under an Existing Runway, with Gene J. Newman, AT1:Apr 63:1:3473
Dsc: William H. Gotolski, AT2:Oct 63:47:3686; Melvin I. Esrig and John P. Gemeinhardt, AT1:May 64:75:3916

Clo: AT1:Apr 65:61:4279

TR:130:215

DEB, ARUN K.

Dsc, SA2:Apr 65:84:4281, of "Theory of Water Filtration", SA4:Aug 64:1:3990

DeFRIES-SKENE, ARNIM

Direct Stiffness Solution for Folded Plates, with A.C. Scordelis, ST4:Aug 64:15:3994
Dsc: J.E. Gibson, ST2:Apr 65:158:4285; Graham H. Powell, ST2:Apr 65:166:4285
Clo: ST4:Aug 65:198:4432
TR:130:717

DEGNAN, LAURENCE VALENTINE

Memoir of, TR:130:818

de GODOY, NELSON S.

See Harvey E. Wahls, SM3:May 65:147:4308

DEININGER, ROLF A.

Dsc, IR4:Dec 65:93:4550, of "Preliminary Optimization of an Aqueduct Route", IR1:Mar 65:45:4248

del CAMPO, ALEJANDRO

See J. Laginha Serafim, SM5:Sep 65:65:4484

DEL POZO, F.

Dsc, ST5:Oct 65:374:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

DEMIR, HALIL HALIT

Cylindrical Shells Under Ring Loads, ST8:Jun 65:71:4366

de NEUFVILLE, RICHARD L.

Dsc, ST1:Feb 65:333:4216, of "Buckling of Longitudinally Stiffened Cylinders", ST5:Oct 64:161:4115

de PAIVA, H. A. RAWDON

Strength and Behavior of Deep Beams in Shear, with Chester P. Siess, ST5:Oct 65:19:4496

DERTEANO, FELIPE U.

Dsc, CE:Apr 65:80 of "The Civil Engineer in Urban Planning," CE:Dec 64:37

DE SIMONE, RALPH E.

See W.O. Hiltabidle, Jr., CO1:May 65:141:4340

de VRIES, M.

Dsc, HY1:Jan 65:178:4192, of "Sand Transport Studies with Radioactive Tracers", HY3:May 64:39:3900

DIACHISHIN, ALEX N.

Waste Disposal in Tidal Waters, SA4:Aug 63:23:3602

Dsc: John S. Gladwell, SA1:Feb 64:167:3813

Clo: SA5:Oct 64:39:4097

TR:130:563

DIAPER, ERNEST W. J.

Filtration Through Size-Graded Media, with Kenneth J. Ives, SA3:Jun 65:89:4378

Dsc: John L. Cleasby, SA6:Dec 65:64:4546

DICKIE, J. F.

See John O. McCutcheon, ST5:Oct 65:369:4498

DIETRICH, RUDY J.

See Charles I. Mansur, SM4:Jul 65:151:4415

DI MAGGIO, FRANK L.

Network Analysis of Structures, with William R. Spillers, EM3:Jun 65:169:4376

DI SALVO, R. S.

Dsc, CE:Mar 65:64, of "Unusual Dome Awaits Baseball Season in Houston," CE:Jan 65:63

DISKIN, M. H.

Temporary Flow Measurement in Sewers and Drains, HY4:Jul 63:141:3574

Dsc: John B. Rowntree, HY2:Mar 64:383:

3853; V.A. Shaw, HY2:Mar 64:383:3853; John

C. Stevens, HY6:Nov 64:241:4130

Clo: HY6:Nov 64:245:4130

TR:130:299

Dsc, IR1:Mar 65:210:4242, of "End Depth for Exponential Channels", IR1:Mar 64:17:3819

DISKIN, MORDECHAI H.

Dsc, HY1:Jan 65:233:4192, of "Two-Dimensional Flow Over Sills in Open Channels", HY4:Jul 64:107:3967

DI STEFANO, JOSE N.

Creep Buckling of Slender Columns, ST3:Jun 65:127:4369

DIWAN, ABDEL F. S.

Three Moment Equation for Variable Depth Beams, ST6:Dec 64:149:4172

Dsc: Frederic T. Mavis, ST2:Apr 65:205:

4285; Jan J. Tuma and M.N. Reddy, ST2:

Apr 65:207:4285; Allen E. Crenshaw, ST4:

Aug 65:224:4432

DIX, WALTER S.

Dsc, SU1:Apr 65:64:4280, of "The Case of the Missing Curriculum", SU2:Jul 64:27:3963

DOBBINS, WILLIAM E.

BOD and Oxygen Relationships in Streams, SA3:Jun 64:53:3949

Dsc: William O. Lynch, SA1:Feb 65:82:4213;

Edward L. Thackston and Peter A. Krenkel,

SA1:Feb 65:84:4213; G. Knowles, SA1:Feb 65:

88:4213

Clo: SA5:Oct 65:49:4492

Corr: SA6:Dec 64:131:4171

DODGE, ALEXANDER

Influence Functions for Beams on Elastic Foundations, ST4:Aug 64:63:4002

Dsc: Donald McDonald and John F. Ely, ST2:Apr 65:187:4285; S. Sergev, ST2:Apr 65:192:4285; Bruno Barbarito, ST2:Apr 65:194:4285;

Lymon C. Reese, ST3:Jun 65:277:4346

Dsc, ST2:Apr 65:175:4285, of "Anchor Zone Stresses in Prestressed Concrete Beams", ST4:Aug 64:49:3996

DODGE, NICHOLAS A.

Flow Measurements at Columbia River Power Plants, HY2:Mar 65:125:4263

Dsc: J. Whitaker, HY5:Sep 65:321:4464;

Misau B. Goldstein, HY6:Nov 65:194:4527;

Joseph M. Colonell, HY6:Nov 65:199:4527;

Richard W. Leonard, HY6:Nov 65:193:4527

DOERING, E. J.

Engineering Aspects of the Reclamation of Sodic Soils with High-Salt Waters, with R.C. Reeve, IR4:Dec 65:59:4588

DOMENICO, PATRICK

Electric Analogs in Time-Settlement Problems, with Glen Clark, SM3:May 64:33:3892

Dsc: Julio Barreiros Martins, SM6:Nov 64:

239:4122; Ulrich Luscher, SM1:Jan 65:190:4197

Clo: SM4:Jul 65:191:4394

TR:130:595

DOMINY, FLOYD E.

Dsc, IR4:Dec 65:80:4550, of "Future Quantity and Quality of Colorado River Water", IR1:Mar 65:17:4244

DONG, STANLEY B.

Membrane Stresses on Laminated Anisotropic Shells, EM3:Jun 64:53:3931

Dsc: G. Wempner, EM5:Oct 64:463:4093

Clo: EM2:Apr 65:75:4286

TR:130:228

DONNELLY, CHARLES A.

Straight Drop Spillway Stilling Basin, with Fred W. Blaisdell, HY3:May 65:101:4328

DOUTY, RICHARD T.

High Strength Bolted Moment Connections, with William McGuire, ST2:Apr 65:101:4298

Dsc, ST1:Feb 65:312:4216, of "Strength of Elastically Stabilized Beams", ST3:Jun 64:219:3951

DRAKE, RONALD L.

See Irwin Remson, HY1:Jan 65:55:4196

DRISCOLL, GEORGE C.

See Roger G. Slutter, ST2:Apr 65:71:4294

DRISCOLL, GEORGE C., JR.

See Victor Levi, ST5:Oct 65:103:4509

DRONKERS, J. J.

Dsc, HY5:Sep 65:204:4464, of "Hydraulic Studies of Jamaica Bay", HY6:Nov 65:63:4133

DURELLI, AUGUST J.

Large Strain Analysis and Stresses in Linear Materials, with Alfred P. Mulzet, EM3:Jun 65: 65:4367

DURKIN, JOHN J.

Computation of Offsets from Curves, CE:Sep 64:67
Dsc: Carl F. Meyer, CE:Nov 64:72; T.F. Hickerson, Nov 64:72; T.F. Hickerson, Feb 65:69

DWYER, TIMOTHY J.

Plastic Behavior of Tubular Beam Columns, with Theodore V. Galambos, ST4:Aug 65:153

EAGER, WILLIAM R.

See Wolfgang S. Homburger, AT2:Oct 64:141: 4078

EAGLE, HENRY C.

Dsc, IR3:Sep 65:95:4453, of "Effects of Competition on Efficiency of Water Use", IR1: Mar 65:69:4252

EBEIDO, IBRAHIM A.

See Robert D. Stoll, SM4:Jul 65:107:4406

EBERHARDT, ANDREW

Prestressed Anchorage for Large Tainter Gate, with Jan A. Veltrop, ST6:Dec 64:123:4170
TR:130:757

EGIAZAROFF, I. V.

Dsc, HY5:Sep 65:269:4464, of "European Concept of Sediment Transportation", HY1: Jan 65:29:4195
Dsc, HY5:Sep 65:153:4464, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

EHLERS, HAROLD V.

Guam Typhoon Tears Out Hospital Windows, CE:Jul 64:56
Dsc: Donald F. Roberts, CE:Nov 64:71; James W. Darling, Mar 65:63
TR:130:337

EHRMAN, KENT S.

Plastic Surgery on Irrigation Areas, CO1:Mar 64:47:3837
TR:130:29

EIDELMAN, J.

See Avindav Siev, ST4:Aug 64:103:4008

EKBERG, CARL E., JR.

See W. Daniel Reneker, ST2:Apr 64:131:3868

ELASSAL, ATEF A.

See Houssam M. Karara, SU2:Jul 64:109:3982

EL-DAKHAKHNI, WAGIH M.

See Eric R. Bryan, ST4:Aug 64:1:3991

EL DARWISH, I. A.

Torsion of Structural Beams, with Bruce G. Johnston, ST1:Feb 65:203:4228

ELDER, REX A.

Form-Induced Hydraulic Forces on Three-Leaf Intake Gates, with Jack M. Garrison, HY3:May 64:215:3905

Dsc: Eduard Naudascher and Cesar Farell, HY2:Mar 65:320:4249

Clo: HY5:Sep 65:149:4464

TR:130:771

Navigation Locks; TVA's Multiport Lock Filling and Emptying System, with James T. Price and Ward W. Engle, WW1:Feb 64:31:3788

Corr: WW2:May 65:42:4307

Corr: WW3:Aug 65:143:4420

TR:130:379

Dsc, with Jack M. Garrison, HY1:Jan 65:192: 4192, of "Hydraulic Downpull on Ice Harbor Powerhouse Gate", HY3:May 64:193:3903
See Donald R.F. Harleman, HY4:Jul 65:43:

ELDRIDGE, EDWARD FRANKLIN

Memoir of, TR:130:819

ELDRIDGE, WINFIELD H.

Preserving Survey Monuments Despite Highway Construction, CE:May 65:40
Dsc: Richard Mayer, CE:Sep 65:74

EL-GAALY, MOHAMED ALI

Analysis of Multicell Box Gates for Dry Docks, ST3:Jun 65:171:4380

ELIAS, ZIAD M.

Analysis of Spherical Shells with Stress Functions, EM6:Dec 64:135:4173
TR:130:786

ELIASSEN, ROLF

Dsc, SA2:Apr 65:91:4281, of "Theory of Water Filtration", SA4:Aug 64:1:3990

EL-KHUDAIRY, MUNA

Dsc, HY2:Mar 65:331:4249, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

ELLIS, RICHARD

Memoir of, TR:130:820

ELMS, DAVID G.

Stresses in Hyperboloids under Edge Loadings, with David P. Billington and Robert Mark, EM4: Aug 65:89:4441

The Structural Action of Pile Cluster Dolphins, with Werner E. Schmid, WW4:Nov 65:11:4529

Dsc, SM4:Jul 65:197:4394, of "Lateral Response of Piles", SM6:Nov 64:1:4121

ELY, JOHN F.

See Donald McDonald, ST2:Apr 65:187:4285

See Gerald C. Ward, ST3:Jun 64:179:3944

EMMETT, WILLIAM W.

Errors in Piezometric Measurement, with James R. Wallace, HY6:Nov 64:45:4126

Dsc: Kotha K. Rao and Sedat Sami, HY3:

May 65:379:4304; Chesley J. Posey, HY5:

Sep 65:199:4464; N. Rajaratnam, HY5: Sep 65: 200:4464

ENGEL, F. V. A.

Dsc, HY1:Jan 65:185:4192, of "Some Observations on the Undular Jump", HY3:May 64:69:

ENGLE, WARD W.

See Rex A. Elder, WW1:Feb 64:31:3788

See Floyd P. Lacy, CE:Jul 65:50

EREMIN, ANATOL A.

Dsc, ST6:Dec 65:297:4547, of "Analysis of Truss-Plate Structures", ST2:Apr 65:129:4300
Dsc, ST2:Apr 65:201:4285, of "Buckling of a Prestressed Circular Ring", ST4:Aug 64:235:4018

Dsc, ST1:Feb 65:316:4216, of "Dynamic Plastic Analysis of Steel Frames", ST3:Jun 64:265:3954

Dsc, ST5:Oct 65:356:4498, of "Effect of Large Alternating Strains on Steel Beams", ST1:Feb 65:1:4217

Dsc, ST4:Aug 65:221:4432, of "Inelastic Frame Buckling", ST6:Dec 64:105:4169

Dsc, ST3:Jun 65:278:4346, of "Loading Rate Effects in Structural Steel Design", ST5:Oct 64:11:4084

Dsc, ST5:Oct 65:372:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

Dsc, ST1:Feb 65:307:4216, of "Moment Equations for Computer Analysis of Frames", ST3:Jun 64:35:3926

Dsc, ST3:Jun 65:278:4346, of "Shakedown Analyses of Some Typical One-Story Bents", ST5:Oct 64:1:4069

Dsc, ST5:Oct 65:398:4498, of "Slenderness Effects in Buildings", ST1:Feb 65:229:4235

Dsc, ST4:Aug 65:209:4432, of "Steady-State Versus Run-Down Tests of Structures", ST6:Dec 64:51:4161

Dsc, ST2:Apr 65:194:4285, of "Stress Analysis of Prestressed Suspended Roofs", ST4:Aug 64:103:4008

Dsc, ST1:Feb 65:303:4216, of "Structural Analysis of Multistory Buildings", ST3:Jun 64:19:3925

ERICKSON, OLE P.

Dsc, CE:Mar 65:62, of "Ghana's Akosombo Dam," CE:Dec 64:65

ESHETT, ALI

Stream-Aquifer System Analysis, with Morton W. Bittinger, HY6:Nov 65:153:4545

ESRIG, MELVIN I.

Dsc, SM1:Jan 65:220:4197, of "Clay Mineralogical Aspects of the Atterberg Limits", SM4:Jul 64:107:3983

Dsc, SM4:Jul 65:211:4394, of "Fundamental Aspects of the Atterberg Limits", SM6:Nov 64:75:4140

ETKES, PERRY W.

Dsc, CE:Oct 65:81, of the decimal equivalents for $1/7$, $2/7$, etc

ETTINGER, MORRIS B.

How to Plan an Inconsequential Research Project, SA4:Aug 65:19:4437

Dsc: R. Robinson Rowe, SA6:Dec 65:65:4546;
James H. Symons, SA6:Dec 65:66:4546

EVA, JOHN R.

See James R. Carr, AT2:Oct 65:39:4490

EVANGELISTI, GIUSEPPE

Dsc, HY2:Mar 65:378:4249, of "Waterhammer Analysis of Pipelines", HY4:Jul 64:151:3974

EVAN-IWANOWSKI, ROSS M.

See Ta-Cheng Loo, EM3:Jun 64:255:3956

EWING, BEN B.

Dsc, SA1:Feb 65:79:4213, of "Time of Travel of Soluble Contaminants in Streams", SA3:Jun 64:1:3932

EYER, JOHN M.

Pumping Plant Operation and Maintenance Costs, IR4:Dec 65:37:4579

FADDICK, ROBERT R.

Dsc, PL1:Jul 65:81:4397, of "Hydraulic Transport of Solids in a Sloped Pipe", PL2:Nov 64:1:4125

FAIR, GORDON M.

Protecting the Purity of Inland Waters, SA6:Dec 64:1:4148

Dsc: N.T. Veatch, SA4:Aug 65:53:4421

Dsc, PP1:Jan 65:54:4186, of "Education for Sanitary Engineers", PP2:May 64:15:3894

FALKSON, L. M.

See David A. Woolhiser, PP1:Jan 65:58:4186

FALTIN, NORBERT E.

See Louis J. Goodman, CO1:May 65:125:4335

FAN, SHOU-SHAN

Dsc, WW4:Nov 65:65:4531, of "Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works", WW1:Feb 65:7:4236

FAN, TAU-CHAO

Dsc, EM6:Dec 65:191:4549, of "Face-Wrinkling Mode of Buckling of Sandwich Panels", EM3:Jun 65:93:4370

FARELL, CESAR

See Eduard Naudascher, HY2:Mar 65:320:4249

FAUSTINO, NORBERTO L.

See Eugene Chesson, Jr., ST5:Oct 65:155:4512

FEDA, JAROSLAV

Dsc, SM6:Nov 65:109:4525, of "Fundamental Aspects of the Atterberg Limits", SM6:Nov 64:75:4140

FEENEY, JOSEPH L.

See Harvey F. Ludwig, SA1:Feb 65:100:4213

FEKETE, LANCELOT A.

Dsc, ST6:Dec 65:297:4547, of "Influence Lines for Beams on Elastic Foundations", ST3:Jun 65:45:4359

FELD, JACOB

Tolerance of Structures to Settlement, SM3: May 65:63:4336

Dsc, CE:Feb 65:67, of "Deflection of Tall Guyed Towers." CE:Nov 64:68

Dsc: William H. Gotolski, SM5:Sep 65:127:4457; Saki Rosenhaupt, SM6:Nov 65:131:4525

FELDMAN, HARVEY S.

See John Lowe, III, SM5:Sep 64:69:4058

FELLOWS, HENRY D.

Application of Supersonic Aircraft to Airline Operations, AT2:Oct 64:25:4103
TR:130:721

FENG, CHUAN C.

Flow Graph of Moment Distribution, with Richard D. Benton, ST2:Apr 64:153:3870

Dsc: Adrian Pauw, ST6:Dec 64:357:4157

Clo: ST2:Apr 65:157:4285

TR:130:218

FENGER, FRITS H.

The Metric System Now, CE:Dec 65:49

FENNELL, EARLE J.

Surveys and Maps for Industrial Growth, SU3: Oct 63:117:3673

Dsc: Daniel Kennedy, SU1:Apr 64:87:3885

TR:130:671

FENVES, STEVEN J.

Guide to Development and Use of Electronic Computer Programs: Introduction, ST6:Dec 64:1:4151

Dsc: Earle J. Turner, ST4:Aug 65:205:4432

FENZE, RICHARD N.

Dsc, HY6:Nov 65:224:4527, of "Computer Analysis of Overland Flow", HY3:May 65:81:4325

FERNANDEZ-ZUAZO JOAQUIN

Dsc, SM3:May 65:162:4308, of "Self-Recording Soil Penetrometer", SM1:Jan 65:53:4200

FERRIERA, S. K.

See John N. Majerus, EM1:Feb 65:107:4234

FIERING, MYRON B.

Multivariate Technique for Synthetic Hydrology, HY5:Sep 64:43:4027

Dsc: Leo R. Beard, HY3:May 65:334:4304;

Theodore G. Roefs, HY3:May 65:335:4304

Clo: HY5:Sep 65:182:4464

Addendum to clo: HY6:Nov 65:168:4527

Dsc, HY5:Sep 65:311:4464, of "Men, Models, Methods, and Machines in Hydrologic Analysis", HY2:Ma 65:85:4256

Dsc, HY6:Nov 65:252:4527, of "Sequential Generation of Rainfall and Runoff Data", HY4: Jul 65:205:4416

See Nobuhiro Yotsukura, HY5:Sep 64:83:4046

FINCH, JAMES KIP

Dsc of a dangerous trend in engineering education, CE:Apr 64:64

Dsc: J.W. Hubler, CE:Jun 64:78; William H. Gotolski, CE:Jun 64:78; T.H. Evans, CE: Sep 64:68; Authors Reply, CE:Nov 64:71; Adolph J. Ackerman, CE:Nov 64:71; Shu-Tien Li, CE:Feb 65:69

Dsc, PP1:Jan 65:51:4186, of "Education for Sanitary Engineers", PP2:May 64:15:3894

FINKEL, EDWARD B.

Composite Design Cuts Cost of Small Warehouse, CE:Aug 65:46

FISCHER, H. O.

Texas--Houston Airport. Study in Engineer-Contractor Harmony, with Frank Newnam, CE: Sep 65:32

FISCHER, HUGO B.

Dsc, HY5:Sep 65:317:4464, of "Canal Discharge Measurements with Radioisotopes", HY2:

Mar 65:101:4258

Dsc, SA3:Jun 65:126:4353, of "Estuarine Water Quality Management and Forecasting, SA5:Oct 64:9:4116

Dsc, HY2:Mar 65:402:4249, of "Numerical Solution to a Dispersion Equation", HY5:Sep 64: 83:4046

FISCHL, RUDOLPH F.

Missouri--Arc Welding Speeds Construction of Springfield Office Building, with Georg Klatte, CE:Feb 65:60

FISHER, GORDON P.

Digital Computers and Environmental Control, with Walter R. Lynn, PP1:Jan 64:15:3749
TR:130:334

FISHER, JOHN W.

Analysis of Bolted Butt Joints, with John L. Rumpf, ST5:Oct 65:181:4513

Behavior of Fasteners and Plates with Holes, ST6:Dec 65:263:4587

Criteria for Designing Bearing-Type Bolted Joints, with Lynn S. Beedle, ST5:Oct 65:129:4511

See John L. Rumpf, ST6:Dec 63:215:3731

See Gordon H. Sterling, ST5:Oct 65:279:4515

See James J. Wallaert, ST3:Jun 65:99:4368

FISTEDIS, STANLEY H.

Pressure Testing of Thick Reinforced Concrete Cell, ST2:Apr 64:31:3860

Clo: ST1:Feb 65:294:4216

TR:130:324

FITZ SIMONS, NEAL

Conducts department, "Who Am I?" in each issue of CIVIL ENGINEERING, CE:Mar 65:43

FITZ SIMONS, NEAL Continued

The Role of the Civil Engineer in Civil Defense,
CE:Mar 64:58
TR:130:118

FLATHAU, WILLIAM J.

Research in Soil Structure Interaction, ST4:
Aug 65:35:4427

FLEMING, JOHN F.

See Arthur C. Heidebrecht, ST2:Apr 64:315:
3881
See Frederick P. Wiesinger, ST6:Dec 63:1:
3712

FLETCHER, GORDON F. A.

Standard Penetration Test: Its Uses and Abuses,
SM4:Jul 65:67:4395
Dsc, SM2:Mar 65:129:4257, of "Field Obser-
vations of Structures Damaged by Settlement",
SM5:Sep 64:249:4054

FLOOD, LEO P.

Air Pollution from Incinerators--Causes and
Cures, CE:Dec 65:44

FOK, THOMAS D. Y.

Moment Coefficients for Fixed-End Beams to
Be Used in the Three-Moment Equation, with
Thomas F. Mosure, CE:Aug 64:78
Dsc: F. P. Wiesinger, CE:Nov 64:73;
Charles O. Heller, Jan 65:84; Author's reply:
CE:Apr 65:79
TR:130:449

FOK, YU-SI

Analysis of Water Advance in Surface Irriga-
tion, with A. Alvin Bishop, IR1:Mar 65:99:
4259
Dsc: S. A. Gavande and S. A. Taylor, IR3:
Sep 65:96:4453; Ernest T. Smerdon and Otto
Wilke, IR4:Dec 65:98:4550

FORD, ARTHUR C.

See M. D. Morris, SA1:Feb 65:1:4220

FOREHAND, PAUL W.

Prediction of Pile Capacity by the Wave Equa-
tion, with Joseph L. Reese, Jr., SM2:Mar 64:
1:3820
Dsc: Teddy J. Hirsch and Charles H. Sam-
son, Jr., SM6:Nov 64:207:4122; E. A. L.
Smith, SM6:Nov 64:208:4122
Clo: SM3:May 65:123:4308
TR:130:399

FORRAY, MARVIN J.

See Martin A. Goldberg, EM3:Jun 65:13:4356

FORRESTAL, MICHAEL J.

Response of a Cylindrical Shell to an Elastic
Wave, with Dronnadula V. Reddy and George
Herrmann, EM3:Jun 65:1:4354

FORSTER, JOHN W.

Dsc, PP1:Jan 65:42:4186, of "Trend in Water
Resources Education", PP2:May 64:1:3889

FOSTER, HERBERT B., JR.

Nutrient Removal by Effluent Spraying, with
Paul C. Ward and Arnold A. Prucha, SA6:
Dec 65:1:4556

FOSTER, RICHARD F.

Action Guide for Radioactive Effluents from
PRTR, with George E. Blackman, Norman C.
Wittenbrock and John M. Skarpelos, SA6:Dec
63:17:3733
Corr: SA6:Dec 64:127:4171
TR:130:41

FOWLER, JOHN W.

Virginia--Construction of Chesapeake Light
Station, CE:Nov 65:76

FOWLER, LLOYD C.

Ground-Water Management for the Nation's
Future--Water Resources Management Through
Ground-Water Basin Operation, HY4:Jul 64:51:
3985
Dsc: Asit K. Biswas, HY2:Mar 65:382:4249
TR:130:725

FOX, FRANCIS T.

Operations of the Supersonic Transport in the
Terminal Area, AT2:Oct 64:59:4102
TR:130:581

FRALICH, ROBERT W.

Combined Aerodynamic and Structural Design
of Lightweight Flight Structures, CE:Aug 65:60

FRANCIOSI, VICENZO

Collapse of Arches Under Repeated Loading,
with Giuliano Augusti and Renato Sparacio, ST1:
Feb 64:165:3803
Dsc: J. Michael Davies, ST5:Oct 64:219:4066;
A. A. Eremin, ST5:Oct 64:220:4066
Clo: ST2:Apr 65:154:4285
TR:130:391

FRANCIS ARTHUR J.

Analysis of Pile Groups with Flexural Resis-
tance, SM3:May 64:1:3887
Dsc: Hamilton Gray, SM6:Nov 64:227:4122;
B. D. Barmby, SM6:Nov 64:234:4122; Raymond
A. Priddle, SM6:Nov 64:234:4122; Peter Kocsis,
SM1:Jan 65:188:4197
Clo: SM4:Jul 65:189:4394
TR:130:600
See W. Terence O'Brien, ST3:Jun 64:89:3929

FRANCIS, J. R. D.

Dsc, HY1:Jan 65:232:4192, of "Experiments on
Small Streams in Alluvium", HY4:Jul 64:1:3959

FRANKEL, RICHARD J.

Turbulent Mixing Phenomena of Ocean Outfalls,
with James D. Cumming, SA2:Apr 65:33:4297
Dsc: G. Abraham, SA6:Dec 65:60:4546

FRANZINI, JOSEPH B.

Hydraulics of Thin Film Flow, with Nabil A.
Hassan, HY2:Mar 64:23:3816

FRAZINI, JOSEPH B. Continued

Dsc, IR4:Dec 65:101:4550, of "Evaporation Reduction on Large Reservoirs", IR1:Mar 65:93:4262

Dsc, HY2:Mar 65:391:4249, of "Turbulent Flow in Porous Media", HY5:Sept 64:1:4019
TR:130:23

See Nabil A. Hassan, EM4:Aug 64:23:3995

FRATAR, THOMAS J.

Civil Engineering in Urban Transportation Planning, HW2:Dec 65:11:4560

FRAZIER, NOAH A.

See George M. McClure, PL2:Nov 64:25:4137

FREEMAN, J. C.

Wave Breakers on a Beach and Surges on a Dry Bed, with Bernard L  mehaute, HY2:Mar 64:187:3834

Dsc: J.M. Jordaan, Jr., HY6:Nov 64:305:4130

TR:130:759

FRENCH, FRANCIS W.

See Lawrence J. Mente, EM5:Oct 64:103:4083

FRENCH, JOHN L.

Tapered Inlets for Pipe Culverts, HY2:Mar 64:255:3845

Dsc: Fred W. Blaisdell and Charles A. Donnelly, HY6:Nov 64:315:4130; Herbert G. Bossy, HY6:Nov 64:324:4130; William O. Ree and C. E. Rice, HY6:Nov 64:329:4130
Clo: HY3:May 65:287:4304

TR:130:375

FREUDENSTEIN, FERDINAND

Dsc, EM5:Oct 65:225:4495, of "A Study of Mechanism with Application to Frames", EM1:Feb 65:19:4222

FRIEDKIN, J. F.

Dsc, CE:May 65:72, favoring the ASCE specialty conference

FRIEDMAN, MORTON B.

Spherical Elastic Plastic Shock Propagation, with Hans H. Bleich and Raymond Parnes, EM3:Jun 65:189:4377

FROST, RONALD W.

Behavior of Hybrid Beams Subjected to Static Loads, with Charles G. Schilling, ST3:Jun 64:55:3928

Dsc: Maxwell G. Lay, ST5:Oct 64:245:4066; Giuliano Augusti, ST6:Dec 64:369:4157

Clo: ST3:Jun 65:275:4346

TR:130:604

FUCIK, E. MONTFORD

Consulting Engineering in Foreign Countries, PP1:Jan 64:37:3760

Corr: PP1:Jan 65:36:4186

TR:130:21

FUNGAROLI, A. A.

Dsc, SM1:Jan 65:212:4197, of "Pore Pressures and Bearing Capacity of Layered Clays", SM4:Jul 64:27:3960

FURNESS, LAWTON W.

Dsc, HY3:May 65:336:4304, of "Areal Variations of Mean Annual Runoff", HY5:Sep 64:61:4030

GAGNON, ANDR  

See Ernest Pariset, WW4:Nov 64:55:4131

GAKENHEIMER, RALPH A.

Dsc, CE:Apr 65:80, of "The Civil Engineer in Urban Planning", CE:Dec 64:37

GALAMBOS, THEODORE V.

Strength of Round Steel Columns, ST1:Feb 65:121:4219

Dsc: Robert A. Williamson, ST5:Oct 65:361:4498; Bruce G. Johnston, ST5:Oct 65:363:4498
Studies of the Ductility of Steel Structures, with Maxwell G. Lay, ST4:Aug 65:125:4444

See Timothy J. Dwyer, ST4:Aug 65:153:4446

See Ralph C. Van Kuren, ST2:Apr 64:223:3876

See Maxwell G. Lay, ST6:Dec 65:67:4566

See Joseph A. Yura, ST5:Oct 65:81:4507

GALBREATH, ROBERT V.

Computer Program for Leveling Resource Usage, CO1:May 65:107:4327

GALLAGHER, RICHARD H.

Dsc, EM3:Jun 65:293:4348, of "Finite Element Analysis of Axi-Symmetric Solids", EM1:Feb 65:71:4229

GALLER, WILLIAM S.

Analysis of Biological Filter Variables, with Harold B. Gotaas, SA6:Dec 64:59:4174

Dsc: Karl L. Schulze, SA3:Jun 65:129:4353;

John W. Hernandez, Jr., SA3:Jun 65:131:4353;

P.J.A. Zeller, SA4:Aug 65:56:4421; Wilber

A. Blain and Archie J. McDonnell, SA4:Aug 65:

57:4421; S.J. Arcevala and V. Hanumanalu,

SA4:Aug 65:61:4421

GALVIN, CYRIL J., JR.

Dsc, HY1:Jan 65:173:4192, of "Sand Transport Studies with Radioactive Tracers", HY3:May 64:39:3900

GAMBLE, WILLIAM L.

Dsc, ST2:Apr 65:199:4285, of "Ultimate Strength of Reinforced Concrete Flat Slabs", ST4:Aug 64:205:4013

GANSER, WILLIAM R., JR.

Dsc, ST4:Aug 65:251:4432, of "Wood Beams Prestressed with Bonded Tension Elements", ST1:Feb 65:103:4218

GARCIA, DANILO M.

High Density Vehicular Flow/Density Relationships, with John Hugh Jones, HW2:Dec 65:37:4581

- GARDE, R. J.**
Regime Criteria for Alluvial Streams, with
K.G. Ranga Raju, HY6:Nov 63:153:3705
Dsc: Asit K. Biswas, HY4:Jul 64:331:3980;
Leonard Rice, HY4:Jul 64:332:3980
Clo: HY1:Jan 65:153:4192
TR:130:178
- GARDNER, NOEL J.**
Dsc, ST2:Apr 65:205:4285, of "Optimum
Structural Design Using Linear Programming",
ST6:Dec 64:89:4163
- GARRISON, JACK M.**
See Rex A. Elder, HY1:Jan 65:192:4192
See Rex A. Elder, HY3:May 64:215:3905
- GARRISON, WALTER E.**
See John D. Parkhurst, CE:Sep 64:60
- GARTH, WALTER WILLIAM**
Memoir of, TR:130:821
- GATES, MARVIN**
Blasting Design Criteria, CE:Jan 64:54
TR:130:269
- GATEWOOD, B. E.**
Tri-Diagonal Matrix Method for Complex
Structures, with Norik Ohanian, ST2:Apr 65:27:
4291
Dsc: T.C.T. Ting, ST5:Oct 65:401:4498;
Gerald M. Sturman and A. Robert Raab, ST6:
Dec 65:291:4547
- GAUDY, ANTHONY F., JR.**
See Manmohan N. Bhatia, SA3:Jun 65:63:4371
- GAUSSA, GERARD M.**
Dsc, CO1:May 65:204:4309, of "Changed
Conditions Clause in Construction Contracts",
CO2:Sep 64:37:4035
- GAVANDE, S. A.**
Dsc, with S.A. Taylor, IR3:Sep 65:96:4453, of
"Analysis of Water Advance in Surface Irrigation",
IR1:Mar 65:99:4259
- GAZIS, DENOS C.**
Analytical Methods in Transportation: Mathe-
matical Car-Following Theory of Traffic Flow,
with Robert Herman and Richard W. Rothery,
EM6:Dec 63:29:3724
Dsc: Harold Greenberg and Irwin Greenberg,
EM6:Dec 64:253:4160
TR:130:78
- GEE, HERBERT C.**
Beach Nourishment from Offshore Sources,
WW3:Aug 65:1:4428
- GELHAR, LYNN W.**
Symposium, Continuing Education--Whose
Responsibility?--the Role of the University, CE:
May 65:57
- GERAGHTY, JAMES J.**
See M.D. Morris, SA1:Feb 65:1:4220
- GERGELY, PETER**
Dsc, ST1:Feb 65:311:4216, of "Analysis of
Short Span Folded Plates", ST3:Jun 64:165:
3939
- GERWICK, BEN C.**
Precast Segmental Construction for Long-span
Bridges, CE:Jan 64:43
TR:130:44
- GHOSH, KALYANMAY**
See Pijushkanti Som, ST4:Aug 64:49:3996
- GIBSON, ERIC J.**
See Ivor L. Pinkerton, PO1:Mar 64:33:3835
- GIBSON, J. E.**
Dsc, ST2:Apr 65:158:4285, of "Direct Stiffness
Solution for Folded Plates", ST4:Aug 64:15:3994
- GILLESPIE, JAMES N.**
Frequency Analysis of Beams by Flexibility
Method, with Boen-Dar Liaw, EM1:Feb 64:23:
3798
Dsc: George Kostro, EM4:Aug 64:181:4000;
J.M. Howe, EM5:Oct 64:423:4093
Clo: EM2:Apr 65:67:4286
TR:130:233
- GILLESPIE, JAMES W.**
Analysis of Truss-Plate Structures, ST2:
Apr 65:129:4300
Dsc: Anatol A. Eremin, ST6:Dec 65:297:4547
- GILLIGAN, J. A.**
Higher-strength structural steels, CE:Nov
64:35
TR:130:551
- GILLIS, DON**
Golden Gateway--Construction (Symposium),
CE:Jan 64:38
TR:130:61
- GILLISSEN, NORBERT M.**
Dsc, with Carlos Quevedo, HY1:Jan 65:194:
4192, of "Hydrodynamic Analysis for High-Head
Leaf Gates", HY3:May 64:155:3904
- GILMAN, JAMES MOSELEY**
Memoir of, TR:130:822
- GINSBURG, THEO**
Propagation of Shock Waves in the Ground,
ST1:Feb 64:125:3800
Dsc: A.A. Eremin, ST5:Oct 64:217:4066
Clo: ST2:Apr 65:153:4285
TR:130:275
- GIRAULT, PABLO**
Dsc, SM6:Nov 65:128:4525, of "State-of-the-
Art of Floating Foundations", SM2:Mar 65:81:
4278

- GLADWELL, JOHN S.**
Hydraulic Studies of Large Penstock Trifurcation, with E. Roy Tinney, PO1:May 65:59:
- GLAUZ, WILLIAM D.**
See John E. Goldberg, EM3:Jun 64:135:3943
- GLEASON, WILLIAM J., JR.**
First Five Years of the Critical-Path Method, with Joseph J. Ranieri, CO1:Mar 64:27:3832
TR:130:40
- GLICKSTEIN, AARON**
Analytical Methods in Transportation: Digital Simulation of Traffic, EM6:Dec 63:1:3709
Dsc: Allen G. Thurman, EM4:Aug 64:163:4000
TR:130:498
- GLOCKNER, P.**
See A. J. Celis, ST5:Oct 63:65:3662
- GLOYNA, EARNEST F.**
Heat Generation by Radioactive Wastes, with H. J. Longley and C. W. Christenson, SA1:Feb 64:43:3793
Dsc: R. Louis Bradshaw, SA5:Oct 64:55:4097
Clo: SA2:Apr 65:65:4281
TR:130:636
See Joe E. Ledbetter, SA1:Feb 64:127:3810
See Calvin C. Patterson, SA3:Jun 65:17:4347
- GOBLE, GEORGE G.**
Analysis of Folded Plate Structures, ST1:Feb 64:93:3797
Dsc: Bruno Barbarito, ST5:Oct 64:213:4066
Clo: ST2:Apr 65:151:4285
TR:130:387
- GODDARD, JAMES E.**
Considerations in Preserving Reservoir Sites, HY1:Jan 65:1:4188
Dsc: Harold E. Hedger, HY:Sep 65:263:4464
Flood Plain Management Improves Man's Environment, WW4:Nov 63:67:3702
Dsc: Tate Dalrymple, WW2:May 64:39:3917
Clo: WW4:Nov 64:149:4117
TR:130:24
- GOFAS, TH. C.**
Greece--A Concrete Cutoff Wall for Earthfill Peneos Dam, CE:Jun 65:56
- GOLDBERG, DONALD T.**
Dsc, SM3:May 65:136:4308, of "Subsurface Stabilization of Organic Silty Clay by Precompression", SM5:Sep 64:363:4031
- GOLDBERG, JOHN E.**
A Study of Guyed Towers, with V. James Meyers, ST4:Aug 65:57:4438
Buckling of a Prestressed Circular Ring, with John L. Bogdanoff, ST4:Aug 64:235:4018
Dsc: James A. Cheney, ST1:Feb 65:328:4216; Samuel P. Mauch, ST1:Feb 65:329:4216; A. A. Eremin ST2:Apr 65:201:4285
Clo: ST4:Aug 65:202:4432
TR:130:767
- Buckling of Multistory Buildings, EM1:Feb 65:51:4223
General Computer Analysis of Beams, with John L. Bogdanoff and William D. Glauz, EM3:Jun 64:135:3943
TR:130:80
See John L. Bogdanoff, EM4:Aug 65:194:4433
See Ralph M. Richard, ST6:Dec 65:33:4553
- GOLDBERG, MARTIN A.**
Stresses in a Uniformly Loaded Two-Layer Circular Plate, with Malcolm Newman and Marvin J. Forray, EM3:Jun 65:13:4356
- GOLDER, HUGH Q.**
State-of-the-Art of Floating Foundations, SM2:Mar 65:81:4278
Dsc: William F. Swiger, SM5:Sep 65:126:4457; Pablo Girault, SM6:Nov 65:128:4525
Dsc, SM5:Sep 65:116:4457, of "Measuring Instruments for Strutt Excavations", SM1:Jan 65:111:4210
- GOLDMAN, MORTON I.**
Dsc, CE:Aug 65:74, of "Urban Atmospheric Pollution," CE:May 65:66
- GOLDSMITH, ROBERT H.**
Welded Connections for Space Frame Joints, ST5:Oct 64:63:4100
Dsc: Henry J. Stetina, ST3:Jun 65:279:4346
- GOLDSTEIN, MISU**
Dsc, HY6:Nov 65:194:4527, of "Flow Measurements at Columbia River Power Plants", HY2:Mar 65:125:4263
- GOLLER, ROBERT R.**
Washington--The Legacy of Galloping Gertie (Tacoma Narrows Bridge), CE:Oct 65:50
- GOLUEKE, CLARENCE G.**
See William J. Oswald, SA4:Aug 65:23:4445
- GOLZÉ, ALFRED R.**
California--California Water Project, Power Plans and Demands, CE:Feb 65:35
California--Steel pipe for South Bay Aqueduct, CE:Mar 65:36
Educational Requirements for Water Resource Engineers, PP2:May 64:7:3890
Dsc: Philip Z. Kirpich, PP1:Jan 65:48:4186
- GOODMAN, LOUIS J.**
Preloading Results in Tank Foundation Economies, with Norbert E. Faltyn, CO1:May 65:125:4335
Problems of Off-Road Transportation, with Ronald A. Liston, HW1:Jan 64:1:3761
TR:130:53
Soil Surface Compaction with a Foam-Type Explosive, with A. R. Aidun and C. S. Grove, Jr., SM1:Jan 65:143:4211
Dsc: W. G. Shockley, S. J. Knight and J. L. McRae, SM4:Jul 65:239:4394; Delon Hampton, SM5:Sep 65:120:4457

GOODMAN, LOUIS J. Continued

Dsc, SM4:Jul 65:242:4394, of "Precompression for Support of Shallow Foundations", SM2: Mar 65:5:4267

GOODMAN, RICHARD E.

See H. Bolton Seed, SM6:Nov 64:43:4128

GORDON, PAUL

Details that Cause Failure in Timber Truss Design, CE:Oct 65:74

GOTAAS, HAROLD B.

See William S. Galler, SA6:Dec 64:59:4174

GOTOLSKI, WILLIAM H.

Dsc, SM5:Sep 65:127:4457, of "Tolerance of Structures to Settlement", SM3:May 65:63:4336

GOTTHEIM, IRVING

Memoir of, TR:130:823

GOULD, HOWARD R.

Old Method with New Twist Solves Bank Shoring Problem, CE:Feb 64:51
TR:130:105

GOULD, JAMES

See M. D. Morris, SA1:Feb 65:1:4220

GOURLAY, M. R.

Dsc, WW1:Feb 65:41:4221, of "Small-Craft Harbor Problems", WW3:Aug 64:1:4015
Dsc, WW1:Feb 65:45:4221, of "Small Craft Harbors Development: Progress Report of the Task Committee on Small Craft Harbors, Committee on Ports and Harbors", ASCE, WW3:Aug 64:11:4016

GRACE, ROBERT A.

Dsc, HY6:Nov 65:233:4527, of "Computer Analysis of Overland Flow", HY3:May 65:81:

GRACIE, GORDON

Double Summation of Errors in Aerial Triangulation, SU2:Sep 65:13:4467

GRANT, LELAND F.

Concept of Curtain Grouting Evaluation, SM1: Jan 64:63:3775

Dsc: John S. Winefordner, SM4:Jul 64:207: 3979; Richard D. Hayes, SM6:Nov 64:193:4122; Lewis A. Schmidt, Jr., SM6:Nov 64:196:4122; L. E. Culbertsen and M. J. Osborne, SM6:Nov 64:198:4122; Portland P. Fox, SM6:Nov 64:200: 4122; J. M. Mullarkey and W. S. Zoino, SM6: Nov 64:200:4122

Clo: SM3:May 65:114:4308
TR:130:349

GRANT, LLOYD MURRAY

Memoir of, TR:130:824

GRAVA, SIGURD

Dsc, PP1:Jan 65:60:4186, of "Some Ethical Implications of Professional Planning", PP2: May 64:23:3896

GRAVES, ERNEST, JR.

Nuclear Excavation of a Sea-Level Isthmian Canal, CE:Oct 64:48
TR:130:461

GRAVES, FRED A.

Stronger Structural Bolt--Will Cut Costs, Speed Construction, with W. A. Milek, CE:Nov 64:48
TR:130:557

GRAY, HAMILTON

Dsc, SM2:Mar 65:122:4257, of "Settlement Response Caused by Footing Groups", SM5:

GRECCO, WILLIAM L.

Dsc, CE:Mar 65:64, of "The Civil Engineer in Urban Planning," CE:Dec 64:37

GREEN, CHARLES

Dsc, CE:Jun 65:72, of "Transitory Irrigation Developments," CE:Mar 65:56

GREEN, H. SPENCER

New Tainter Gate Holst, PO2:Jul 64:1:3970
TR:130:266

GREEN, ROY M.

Dsc, PP1:Jan 65:38:4186, of "Trend in Water Resources Education", PP2:May 64:1:3889

GREGORY, MALCOLM S.

Philosophy of Engineering Design of Structures, ST6:Dec 63:119:3722

Dsc: Douglas H. Merkle, ST3:Jun 64:413: 3940; A. Siev, ST4:Aug 64:299:4001; N. C. Sinha, ST4:Aug 64:303:4001; A. A. Eremin, ST4:Aug 64:304:4001; George D. Nasser, ST4: Aug 64:305:4001; Sergio Giudici, ST4:Aug 64: 305:4001

Clo: ST1:Feb 65:284:4216
TR:130:59

Teaching Engineering Attitude to Students, PP1: Jan 65:1:4189

Dsc: P. Hammond, PP2:Sep 65:90:4454; Shu-t'ien Li, PP2:Sep 65:91:4454; J. K. Wilkins, PP2:Sep 65:95:4454

GRIEVES, ROBERT B.

See William F. Milbury, SA3:Jun 65:45:4362

GRIMES, ROBERT O.

Houston's Jetero Airport: Development of Terminal and Related Areas, AT1:Apr 63:27: 3487

Dsc: A. Roger Kelly, AT1:May 64:81:3916
Clo: AT1:Apr 65:61:4279
TR:130:263

GRIMM, SERGEI N.

Urban Planning Definitions: Report of the Committee on Terminology Used in the Practice of City Planning, ASCE, UP1:Sept 64:15:4033

Dsc, PP1:Jan 65:30:4186, of "Challenge to Civil Engineering", PP1:Jan 64:21:3750

GRIMM, SERGEI N. Continued

Dsc, PP1:Jan 65:34:4186, of "Interdisciplinary Education for Urban Planning", PP1:Jan 64:39:3751

Dsc, CE:Nov 65:99, of "Interprofessional Relations," CE:Aug 65:33

Dsc: Shu-T'ien Li, UP1:Jul 65:49:4388

GRINTER, LINTON E.

Dsc, SU1:Apr 65:66:4280, of "The Case of the Missing Curriculum", SU2:Jul 64:27:3963

See Arthur N.L. Chiu, ST5:Oct 64:137:4114

See Donald A. Sawyer, EM3:Jun 64:39:3927

GROISSNER, LEON B.

See C. Allin Cornell, ST3:Jun 65:287:4346

GROSECLOSE, J. K.

Deflection of Tall Guyed Tower in Dallas, CE:Nov 64:68

Dsc, Jacob Feld, CE:Feb 65:67

TR:130:571

GROSS, WILLIAM M.

A Lawyer Looks at Stream Pollution, CE:Apr 65:44

Dsc: B.F. Snow, CE:Aug 65:74

GROVE, C. S., JR.

See L.J. Goodman, SM1:Jan 65:143:4211

GRUBBS, BERRY R.

See Hudson Matlock, SM1:Jan 65:183:4197

GULLATT, DOSWELL

Dsc, WW3:Aug 65:145:4420, of "Duplicate Locks for Illinois Waterway", WW4:Nov 64:1:4118

GURFINKEL, GERMAN

Buckling of Elastically Restrained Columns, with Arthur R. Robinson, ST6:Dec 65:159:4574

Dsc, EM4:Aug 65:210:4433, of "Calculating Deflections of a Partially Collapsed Frame", EM1:Feb 65:1:4214

Dsc, EM1:Feb 65:181:4212, of "Limit Design of Reinforced Concrete Slabs", EM5:Oct 64:321:4105

GUSCIO, FRANCIS J.

Water Resources Problems Generated by Obnoxious Plants, with Thomas R. Bartley and Arthur N. Beck, WW4:Nov 65:47:4537

HABEL, JOHN

Dsc, WW2:May 65:49:4307, of "Small Craft Harbors Development: Progress Report of the Task Committee on Small Craft Harbors, Committee on Ports and Harbors", ASCE, WW3:Aug 64:11:4016

HACKNEY, JOHN W.

Unit Prices Around the World, ASCE Construction Division Committee Report, CE:Aug 64:75
TR:130:362

HADJITHEODOROU, CHRISTOS

See James A. Liggett, HY3:May 65:61:4322

HAGLER, T. W., JR.

See M.R. Carstens, HY6:Nov 64:161:4143

HAHN, FRANCIS A.

Box Type Mat Solves Foundation Problem for Syracuse Housing Project, CE:Jul 64:62
TR:130:297

HAIKALIS, GEORGE

Evaluating Urban Transportation Systems, with E. Wilson Campbell, UP1:Sep 63:1:3626

Dsc: Joseph Horowitz, UP1:Sep 64:35:4034

TR:130:479

HAISE, HOWARD R.

See Marvin E. Jensen, IR4:Dec 63:15:3737

HAKE, BRUNO H.

Baggage Handling: Passenger and Baggage Processing at Air Terminals, AT2:Oct 63:29:3677

Dsc: Thomas M. Sullivan, AT1:Apr 65:65:

4279

TR:130:203

HALE, JOHN S.

A New and Better Foreign Technical Assistance Program, CE:Jul 65:63

Dsc: I. Khwaja, CE:Oct 65:80

HALL, J. R.

The Case for the Galvanized Bridge, CE:Nov 64:31

Dsc, R.K. Bernhard, CE:Mar 65:64

TR:130:564

HALL, JOHN R., JR.

Dissipation of Elastic Wave Energy in Granular Soils, with Frank E. Richart, Jr., SM6:Nov 63:27:3698

Dsc: G.F. Weissmann, SM3:May 64:181:

3907; B.O. Hardin, SM4:Jul 64:195:3979; H.

A.B. Rao, SM4:Jul 64:196:3979

Clo: SM5:Sep 65:89:4457

TR:130:663

HALL, WARREN A.

Optimum Design of Multi-Purpose Reservoirs, HY4:Jul 64:141:3972

Dsc: William Whipple, Jr., HY6:Nov 64:375:

4130; Nathan Buras, HY2:Mar 65:377:4249

Clo: HY5:Sep 65:162:4464

TR:130:762

Preliminary Optimization of an Aqueduct

Route, with John S. Hammond, IR1:Mar 65:45:4248

Dsc: Edward J. Low, IR3:Sep 65:93:4453;

Nathan Buras, IR4:Dec 65:92:4550; Rolf A.

Deininger, IR4:Dec 65:93:4550

HALL, WILLIAM J.

See Richard N. Wright, ST5:Oct 64:11:4084

HALLIWELL, A. R.

Velocity of a Water-Hammer Wave in an Elastic Pipe, HY4:Jul 63:1:3565

HALLIWELL, A. R. Continued

Dsc: Victor L. Streeter, HY6:Nov 63:295;
3708; Raymond C. Binder, HY1:Jan 64:315;
3783; Don J. Wood, HY1:Jan 64:316:3783; K.
V. Swaminathan, HY3:May 64:333:3911
Clo: HY5:Sep 64:149:4050
TR:130:1
Dsc, HY5:Sep 65:205:4464, of "Hydraulic
Studies of Jamaica Bay", HY6:Nov 64:63:4133

HALLMARK, DASEL E.

Stability of Channels by Armorplating, with
George L. Smith, WW3:Aug 65:117:4452

HALMOS, E. E. JR.

Conducts department Byline Washington
in each issue of CIVIL ENGINEERING

HALPENNY, LEONARD C.

Dsc, HY3:May 65:384:4304, of "Salt-Water
Interface Near a Fresh-Water Canal", HY6:
Nov 64:97:4135

HALTIWANGER, JOHN D.

Survey of Current Structural Research:
Progress Report of the Committee on Research,
ASCE, ST1:Feb 65:13:4233
Clo: ST6:Dec 65:302:4547

HAMMAD, HAMMAD Y.

Design of Tile Drainage for Arid Regions, IR3:
Sep 64:1:4036

Dsc: Jerald E. Christiansen, IR1:Mar 65:
221:4242

Clo: IR3:Sep 65:85:4453

TR:130:749

Natural Drainage of River Valleys, IR2:

Jun 65:39:4360

Dsc, HY6:Nov 65:218:4527, of "Theoretical
Aspects of Seepage from Open Channels", HY3:
May 65:37:4321

HAMMING, KENNETH W.

See Richard N. Bergstrom, PO1:May 65:81:
4338

HAMMOND, JOHN S.

See Warren A. Hall, IR1:Mar 65:45:4248

HAMMOND, P.

Dsc, PP2:Sep 65:90:4454, of "Teaching Engi-
neering Attitude to Students", PP1:Jan 65:1:4189

HAMPTON, DELON

Pore Air Pressure in Soil Subjected to Shock
Waves, SM6:Nov 65:41:4541

Dsc, SM5:Sep 65:120:4457, of "Soil Surface
Compaction with a Foam-Type Explosive", SM1:
Jan 65:143:4211

HANLY, HUNTER W.

Dsc, CO1:May 65:198:4309, of "Changed Con-
ditions Clause in Construction Contracts", CO2:
Sep 64:37:4035

HANLY, T. F.

See E. V. Richardson, HY5:Sep 65:215:4464

HANSEN, ROBERT J.

See Shui Ho, EM5:Oct 65:155:4521

HANSEN, ROGER M.

See Robert A. Bendigo, ST6:Dec 63:187:3727

HANSEN, VAUGHN E.

See C. Earl Israelsen, IR1:Mar 65:93:4262

HANTUSH, MAHDI S.

Supplement to Peterson's Design of Replenish-
ment Wells, IR1:Mar 64:67:3838
TR:130:101

HANUMANALU, V.

See S. J. Arceivala, SA4:Aug 65:61:4421

HARBECK, G. EARL, JR.

Estimating Forced Evaporation from Cooling
Ponds, PO3:Oct 64:1:4061

Dsc: Tor J. Nordenson, PO1:May 65:109:
4313; Peter B. Boyer, PO1:May 65:111:4313

HARDIN, BOBBY O.

The Nature of Damping in Sands, SM1:Jan 65:
63:4206

Dsc: G. F. Weissmann, SM4:Jul 65:232:4394

HARDING, S. T.

Dsc, IR3:Sep 65:90:4453, of "Federal Versus
State Interests in Water Development", IR1:
Mar 65:31:4246

HARLEMAN, DONALD R. F.

Withdrawal from Two-Layer Stratified Flows,
with Rex A. Elder, HY4:Jul 65:43:4398

Dsc, with Uri Shamir, HY3:May 65:330:4304,
of "Dispersion and Adsorption in Porous Media
Flow", HY5:Sep 64:13:4022

Dsc, with Ralph R. Rumer, Jr., HY2:Mar 65:
384:4249, of "Moving Interfacial in Coastal
Aquifers", HY4:Jul 64:193:3988

See John A. Hoopes, EM3:Jun 65:280:4348

HARP, J. F.

A Simple Method for Determining Water-Sur-
face Profiles with E. M. Laursen, CE:Oct 65:85

HARPER, GOIN N.

See Alfredo H. S. Ang, EM5:Oct 64:397:4113

HARRIS, BILLY J.

Face-Wrinkling Mode of Buckling of Sandwich
Panels, with W. C. Crisman, EM3:Jun 65:93:4370

Dsc: Tau-Chao Fan, EM6:Dec 65:191:4549

HARRIS, GARTH S.

An Inclined Plume, EM1:Feb 65:7:4215

Dsc: V. Kruka, EM4:Aug 65:214:4433; David
I. H. Barr, EM5:Oct 65:224:4495

HARRIS, M. K.

California--Planning and Anchoring 12 Miles
of Big Pipe for Santa Clara County, CE:
Jun 65:61

- HART, WILLIAM E.**
Dsc, with William N. Reynolds, IR2:Jun 65:80:
4349, of "Nonuniformity and Sprinkler Appli-
cation Efficiency", IR3:Sep 64:41:4052
- HARTWIG, W. P.**
See H.E. Dann, PO3:Oct 64:47:4071
- HARTZ, BILLY J.**
Matrix Formulation of Structural Stability
Problems, ST6:Dec 65:141:4572
- HARVEY, JOHN W.**
Buckling Loads for Stepped Columns, ST2:Apr
64:201:3873
Dsc: S.Z. Al-Sarraf, ST5:Oct 64:231:4066;
B.J. Hartz, ST5:Oct 64:236:4066
Clo: ST3:Jun 65:273:4346
TR:130:618
- HASSAN, NABIL A.**
Film Flow Along a Vertical Cylinder, with
Joseph B. Franzini, EM4:Aug 64:23:3995
TR:130:761
See Joseph B. Franzini, HY2:Mar 64:23:3816
- HATCHER, DAVID S.**
Test of a Reinforced Concrete Flat Plate, with
Mete A. Sozen and Chester P. Sless, ST5:Oct 65:
205:4514
- HATTERSLEY, RALPH T.**
Hydraulic Design of Pump Intakes, HY2:Mar 65:
223:4276
Dsc: S. Raghunathan and Subir Kar, HY6:
Nov 65:213:4527
- HAUCK, GEORGE F.**
Stability of Elasto-Plastic Wide-Flange
Columns, with Seng-Lip Lee, ST6:Dec 63:
297:3738
Dsc: M.G. Lay and T.V. Galambos, ST2:Apr
64:419:3886
Clo: ST5:Oct 64:205:4066
TR:130:94
See Seng-Lip Lee, ST2:Apr 64:179:3872
- HAUGHEY, FRANCIS J.**
See Joel O. Lubenau, UP1:Jul 65:51:4388
- HAUSER, CONSUELO M. (MRS.)**
Dsc, CE:Oct 65:81 of "An Applied Science of
Materials for Civil Engineers," CE:Jul 65:54
- HAUSSLER, ROBERT W.**
Strength of Elastically Stabilized Beams, ST3:
Jun 64:219:3951
Dsc: Richard T. Douty, ST1:Feb 65:312:4216
Clo: ST4:Aug 65:196:4432
Corr: ST5:Oct 64:247:4066
TR:130:637
- HAYASHI, KEIICHIRO**
Dsc, ST2:Apr 65:197:4285, of "Frames of Solid
Bars of Varying Cross Sections", ST4:Aug 64:
145:4010
- HAYDEN, ARTHUR GUNDERSON**
Memoir of, TR:130:825
- HAYNE, DANIEL CARLOS**
Memoir of, TR:130:826
- HEDGER, HAROLD E.**
Dsc, HY5:Sep 65:263:4464, of "Considerations
in Preserving Reservoir Sites", HY1:Jan 65:1:
4188
- HEDLEY, WILLIAM J.**
1966 President elected, CE:Oct 65:86
- HEDMAN, E. ROBERT**
Effect of Spur Dikes on Flow Through Contrac-
tions, HY4:Jul 65:155:4412
- HEIDEBRECHT, ARTHUR C.**
Dynamic Analysis of Elastic-Plastic Frames,
with Seng-Lip Lee and John F. Fleming, ST2:
Apr 64:315:3881
TR:130:33
- HEIDENGREN, CHARLES R.**
Symposium, Continuing Education--Whose Re-
sponsibility?--the Role of National Conferences,
CE:May 65:58
- HELBOCK, WILLIAM P.**
Barge Decks Resurfaced with Asphalt, CE:
Nov 65:54
- HELLER, GEORGE W.**
Quantity Surveys for Cost Estimates, CO1:Mar
64:37:3836
TR:130:333
- HELLER, LYMAN W.**
Dsc, SM6:Nov 64:211:4122, of "Lateral Re-
sistance of Piles in Cohesive Soils", SM2:
Mar 64:27:3825
- HELY, ALLEN G.**
Areal Variations of Mean Annual Runoff, HY5:
Sep 64:61:4030
Dsc: John R. Crippen, HY2:Mar 65:395:
4249; Henry C. Riggs, HY2:Mar 65:396:4249;
Lawton W. Furness, HY3:May 65:336:4304
Clo: HY6:Nov 65:169:4527
- HENDERSON, FRANCIS M.**
Dsc, HY2:Mar 65:351:4249, of "Experiments
on Small Streams in Alluvium", HY4:Jul 64:1:
3959
- HENDERSON, GEORGE L.**
Dynamic Structural Analysis with Short Time
History, ST3:Jun 65:1:4352
Dsc: Keith E. McKee, ST5:Oct 65:404:4498
- HENDRICKSON, JOHN G.**
See Howard F. Peckworth, PL1:Jan 64:33:3771
- HENRY, L.**
See Masanobu Shinozuka, EM5:Oct 65:123:4510

HERBICH, JOHN B.

Large-Scale Roughness in Open-Channel Flow, with Sam Shulits, HY6:Nov 64:203:4145

Dsc: A.G.Mirajgaoker and Abhai K. Jain, HY5:Sep 65:242:4464; John A. Roberson, HY5:Sep 65:244:4464; E.M.O'Loughlin and K.K. Rao, HY5:Sep 65:251:4464; Jack C. Schuster, HY5:Sep 65:253:4464; David I.H.Barr, HY5:Sep 65:255:4464; Ben-Chie Yen, HY5:Sep 65:257:4464

HERMAN, M. JUSTIN

Golden Gateway—General Concept (Symposium), CE:Jan 64:31

TR:130:17

HERMAN, ROBERT

See Denos C. Gazis, EM6:Dec 63:29:3724

HERNANDEZ, JOHN W., JR.

Dsc, SA3:Jun 65:131:4353, of "Analysis of Biological Filter Variables", SA6:Dec 64:59:4174

Dsc, IR1:Mar 65:223:4242, of "Irrigation Water Requirements in Texas", IR3:Sep 64:17:4040

HERNDON, LOUIS W.

See Lester F. Lawhon, IR4:Dec 65:23:4569

HERRERA, ISMAEL

See Emilio Rosenbluth, EM4:Aug 64:37:3999

HERRMANN, GEORGE

Vibration of Thin Shells and Initial Stress, with John Shaw, EM5:Oct 65:37:4501

See Michael J. Forrestal, EM3:Jun 65:1:4354

HERRMANN, LEONARD R.

Bending Analysis for Clamped Rectangular Plates, EM3:Jun 64:71:3934

Dsc: Benno Suke Tanimoto, Seiji Hayakawa, and Noboro Ueda, EM6:Dec 64:279:4160

Clo: EM2:Apr 65:75:4286

TR:130:251

Elastic Torsional Analysis of Irregular Shapes, EM6:Dec 65:11:4562

HERSEY, A. T.

Do's and Don'ts of Cold-Weather Concreting, CE:Jul 65:36

HERSHFIELD, DAVID M.

Effective Rainfall and Irrigation Water Requirements, IR2:Jun 64:33:3920

Dsc: Tyler A. Quackenbush, IR1:Mar 65:215:4242; Harry F. Blaney, IR1:Mar 65:216:4242

Clo: IR3:Sep 65:84:4453

TR:130:741

HERTZBERG, RUDOLF

Foreshore Protection, Lower Mississippi River, WW2:May 65:1:4305

Dsc, WW2:May 65:59:4307, of "Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works", ASCE, WW1:Feb 65:7:4236

HICKERSON, T. F.

Dsc, CE:Feb 65:69 on "Computing offsets from Curves", CE:Sep 64:67

HICKS, STEACY D.

Yearly Sea Level Variations for the United States, with William Shofnos, HY5:Sep 65:23:4468

HIEMSTRA, LOURENS A. V.

See Brian M. Reich, HY3:May 65:217:4339

HILL, CLAIR A.

Fringe Benefits in Civil Engineering Compensation, CE:Jul 65:64

HILL, RAYMOND A.

Future Quantity and Quality of Colorado River Water, IR1:Mar 65:17:4244

Dsc: Wesley E. Steiner, W. Don Maughan and Dallas E. Cole, IR4:Dec 65:78:4550; Floyd E. Connolly, IR4:Dec 65:80:4550; John H. Bliss, IR4:Dec 65:82:4550

Transitory Irrigation Developments, CE:Mar 65:56

Dsc: Charles Green, CE:Jun 65:72. Author's reply, CE:Jun 65:72

Dsc, IR4:Dec 65:115:4550, of "Determining Bank Storage of Lake Mead", IR1:Mar 65:141:4268

HILTABIDLE, W. O., JR.

Quality Control in Construction, with Bradford N. Clark, Charles E. Schaffner, John Nelson Linn, Ralph E. De Simone, Arnold H. Vollmer, Elmer B. Isaak, Leslie D. Long, Richard Q. Praeger, and Hal W. Hunt, CO1:May 65:141:4340

HINO, MIKIO

Dsc, EM2:Apr 65:77:4286, of "Random Walk Study of Convective Diffusion", EM4:Aug 64:49:4003

HIRTLE, GORDON

See Seymour Wengrovitz, CE:Jul 65:47

HO, FANG-HUAI H.

Dynamic Instability of a Deep Spherical Shell, EM3:Jun 65:233:4382

HO, HAU-WONG

See Lucien M. Brush, HY1:Jan 64:149:3764

HO, SHUI

Dynamic Response of a Lined Rigid Inclusion, with Robert J. Hansen, EM5:Oct 65:155:4521

HOFMANN, WALTER

Parametric Hydrology and Stochastic Hydrology: Report of the Committee on Surface Water Hydrology, ASCE, HY6:Nov 65:119:4539

HOGAN, BEN MILES

Memoir of, TR:130:827

HOLDAMPF, CARL RICHARD

Memoir of, TR:130:827

HOLLAND, EUGENE P.

See Alfred L. Parme, ST6:Dec 64:65:4162

HOLM, T. A.

Thermal Stresses Due to Unequal Thermal Coefficients of Concrete and Reinforcing Steel, CE:Feb 65:63

HOLMES, PATRICK

See Willard J. Pierson, Jr., WW4:Nov 65:1:4528

HOLTZ, WESLEY G.

Effects of Driving Displacement Piles in Lean Clay, with Clemith A. Lowitz, SM5:Sep 65:1:4476

HOMBURGER, WOLFGANG S.

Automobile Parking Requirements at Airports, with William R. Eager, AT2:Oct 64:141:4078
TR:130:805

HONG, H.

See Bruce A. Lind, HW1:Jan 65:25:4205

HOOLEY, R. F.

Lateral Stability of Glued Laminated Beams, with B. Madsen, ST3:Jun 64:201:3948
Dsc: Campbell Massey, ST6:Dec 64:377:4157
TR:130:781

HOOPER, D. R.

See R. P. Ware, CE:Dec 64:65

HOOPER, DON R.

See James K. Mitchell, SM4:Jul 65:41:4392

HOOPES, JOHN A.

Dsc, with Donald R. F. Harleman, EM3: Jun 65:280:4348, of "Band Diffusion with Variable Parameters Along Flow", EM5:Oct 64:343:4106

HOOVER, HERBERT

Commemorative U. S. postage stamp issued, CE:Aug 65:44

HOPKINS, GLEN J.

Missouri--Pollution Abatement Program for Kansas City, with Omar C. Hopkins and Jim S. Noel, CE:Sep 65:39

HOPKINS, OMAR C.

See Glen J. Hopkins, CE:Sep 65:39

HORIKAWA, KIYOSKI

See R. L. Wiegel, CE:Dec 64:76

HORN, HARRY M.

Settlement of Buildings on the MIT Campus, with T. William Lambe, SM5:Sep 64:181:4038
Dsc: Ulrich W. Stoll, SM2:Mar 65:120:4257; Thomas E. Phalen, Jr., SM2:Mar 65:120:4257; Philip Keene, SM5:Sep 65:95:4457

HORNER, R. M. W.

Dsc, with Christopher R. Ison, SA2:Apr 65:67:4281, of "Theory of Water Filtration", SA4: Aug 64:1:3990

HORNING, D. O.

See William J. Oswald, SA4:Aug 65:23:4445

HORONJEFF, ROBERT

Civil Aviation to 1970, with Gale Ahlborn, AT1: May 64:1:3891
TR:130:18
Jet Transport Characteristics Related to Airports, with Gale Ahlborn, AT1:Apr 65:33:4301

HOTZ, ALVIN J., JR.

Epoxy-Lined Pipe Reduces Cost of San Buenaventura Trunk Sewer, CE:Sep 64:64
TR:130:501

HOUSEHOLDER, MICHAEL K.

Dsc, HY5:Sep 65:331:4464, of "Computer Analysis of Overland Flow", HY3:May 65:81:4325

HOUSEL, WILLIAM S.

Michigan Study of Pile Driving Hammers, SM5:Sep 65:37:4483
Dsc, SM1:Jan 65:196:4197, of "Foundation Behavior of Iron Ore Storage Yards", SM3: May 64:85:3902

HOUSNER, G. W.

Generation of Artificial Earthquakes, with P. C. Jennings, EM1:Feb 64:113:3806
Dsc: Emilio Rosenbluth, EM4:Aug 64:189:4000; Alan G. Davenport, EM5:Oct 64:443:4093
Cio: EM3:Jun 65:251:4348
TR:130:530

HOWARD, BURL W.

CMP--As Complete Project Management, CO1:May 65:99:4324

HOWARD, CHARLES D. D.

Dsc, HY3:May 65:386:4304, of "Hyperconcentrations of Suspended Sediment", HY6:Nov 64:117:4136

HOWARD, R. B.

Belleville Locks on Ohio River, CE:Nov 65:51

HOWE, RICHARD S.

Dsc, CE:Jul 65:75, on The Younger Viewpoint, "Time to Re-Tool Registration Requirements," CE:Mar 65:78

HOWELL, DAVID T.

Nonuniformity and Sprinkler Application Efficiency, IR3:Sep 64:41:4052
Dsc: Jerald E. Christiansen, IR1:Mar 65:224:4242; William E. Hart and William N. Reynolds, IR2:Jun 65:80:4349
Cio: IR4:Dec 65:75:4550
Sprinkler Nonuniformity Characteristics and Yield, IR3:Sep 64:55:4053

HOWELL, DAVID T. Continued

Dsc: Jerald E. Christiansen, IR1:Mar 65:227:4242

Clo: IR3:Sep 65:86:4453

HRENNIKOFF, ALEXANDER P.

Importance of Strain Hardening in Plastic Design, ST4:Aug 65:23:4424

Dsc, EM5:Oct 64:449:4093, of "Model for Wave Motions in Axi-Symmetric Solids", EM2:Apr 64:195:3878

Corr: EM1:Feb 65:160:4212 (discussion withdrawn)

Dsc, ST5:Oct 65:407:4498, of "Role of Strain Hardening in Plastic Design", ST3:Jun 65:25:4355

HRIBAR, JOHN A.

See E. D'Appolonia, SM6:Nov 63:57:3700

See Russel C. Jones, EM5:Oct 64:43:4073

HSIEH, TSUYING

Resistance of Cylindrical Piers in Open-Channel Flow, HY1:Jan 64:161:3770

Dsc: Ronald E. Nece and Richard D. Unrue, HY5:Sep 64:223:4050; A.G. Mirajgucker, HY5:Sep 64:228:4050; Donald Van Sickle, HY6:Nov 64:269:4130

Clo: HY4:Jul 65:276:4399

TR:130:657

HU, GEORGE C. Y.

Variable-Factors Theory of Bearing Capacity, SM4:Jul 64:85:3969

Corr: SM2:Mar 65:112:4257

TR:130:291

HU, LING-WEN

See Joel Markowitz, EM5:Oct 64:251:4098

HUANG, TSENG

Response of Structures to Triangular Pulse Loading, ST2:Apr 64:55:3862

Clo: ST1:Feb 65:295:4216

TR:130:327

HUBBELL, DAVID W.

Sand Transport Studies with Radioactive Tracers, with William W. Sayre, HY3:May 64:39:3900

Dsc: G.H. Lean, HY6:Nov 64:349:4130; Cyril J. Galvin, Jr., HY1:Jan 65:173:4192; M. de Vries, HY1:Jan 65:178:4192

Clo: HY5:Sep 65:139:4464

TR:130:619

HUBER, ROBERT C.

An Operational Look at Airport Design, AT2:Oct 64:161:4075

TR:130:566

HUCKERBY, J. K.

See Hal W. Hunt, CE:Dec 64:70

HUDDLESTON, JOHN V.

Analysis of an Inelastic Column, EM4:Aug 64:1:3992

Dsc: Ulo Lepik, EM2:Apr 65:76:4286

Clo: EM5:Oct 65:217:4495

HUDSON, DONALD E.

Resonance Testing of Full-Scale Structures, EM3:Jun 64:1:3923

Dsc: R.E. Kaplan and L.P. Petak, EM5:Oct 64:453:4093; Paul C. Jennings, EM6:Dec 64:277:4160; John A. Blume, EM1:Feb 63:161:4212

Clo: EM4:Aug 65:180:4433

TR:130:655

HUDSON, HERBERT E., JR.

Dsc, SA2:Apr 65:80:4281, of "Theory of Water Filtration", SA4:Aug 64:1:3990

HUELSMAN, ALBERT W.

Driveway Approaches Designed for Automobile Access, CE:May 64:57

TR:130:261

HUEY, STANTON E.

Design of Haunched Beams by Fixed Points, ST2:Apr 64:13:3858

Dsc: Robert Dannemann, ST6:Dec 64:319:4157; A.A. Eremin, ST6:Dec 64:321:4157

Clo: ST2:Apr 65:155:4285

TR:130:613

HUGGINS, M. W.

See J.B. Kennedy, EM1:Feb 64:1:3795

HUGHES, G. T.

See Earle J. Klohn, SM6:Nov 64:107:4141

HUNT, BRUCE

Dsc, with Rene Chevray, HY6:Nov 65:238:4527, of "Boundary Layer Development and Spillway Energy Losses", HY3:May 65:149:4331

HUNT, HAL W.

Belgian 223-Ft Barge Lift Keeps Vessels Afloat on Inclined Railway, with J.K. Huckerby, CE:Dec 64:70

TR:130:715

Engineered Construction in Sweden, CE:Dec 64:58

TR:130:708

How to Improve Quality Control of Construction, CE:Oct 65:54

Mapping the World, CE:Feb 64:36

Dsc: R.W. Hall, CE:Apr 64:66

TR:130:71

Sweden--Building Foundation Built as a Caisson for Port Storage in Stockholm, CE:Jan 65:60

See W.O. Hiltabiddle, Jr., CO1:May 65:141:4340

HUNTER, J. R.

See H.E. Dann, PO3:Oct 64:47:4071

HUNTINGTON, WHITNEY C.

Noted civil engineering teacher and administrator dies, CE:Jun 65:83

HURD, HENRY G.

Dsc, CE:May 65:74, of "Fabrication Drawings by Computer," CE:Feb 65:50

HURST, REX L.

See Lyman S. Willardson, IR1:Mar 65:1:4240

HUSAIN, HUSAIN M.

See Alan L. Yettram, EM3:Jun 65:53:4361

HYLAND, JOHN R.

Rubble-Mound Breakwater Design for Refuge Harbor, WW4:Nov 64:87:4139
Clo: WW3:Aug 65:155:4420
TR:130:597

Dsc, WW4:Nov 65:80:4531, of "Cellular Concrete Block Revetment", WW2:May 65:27:4311

IBRAHIM, HASSAN ALI

Inflow Hydrographs from Large Unconfined Aquifers, with Wilfried Brutsaert, IR2:Jun 65:21:4357

Dsc: Robert L. McFall, IR4:Dec 65:130:4550

IMHOFF, KARL

Honorary Member dies, CE:Nov 65:104

INGLIS, CLAUDE

Dsc, HY1:Jan 65:228:4192, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

Dsc, IR4:Dec 65:128:4550, of "Irrigation in India: Past and Present", IR1:Mar 65:179:4277

IPPEN, ARTHUR T.

See Frederic Raichlen, HY2:Mar 65:1:4241

IRVIN, LESLIE A.

California--Rapid-Transit Test Track for San Francisco, CE:Aug 65:48
See William A. Bugge, CE:Oct 64:58

ISAAK, ELMER B.

See W.O. Hiltabidle, Jr., CO1:May 65:141:4340

ISON, CHRISTOPHER R.

See R.M.W. Horner, SA2:Apr 65:67:4281

ISRAELSEN, C. EARL

Evaporation Reduction on Large Reservoirs, with Vaugh E. Hansen, IR1:Mar 65:93:4262

Dsc: Joseph B. Franzini, IR4:Dec 65:101:4550; Victor K. LaMer, IR4:Dec 65:102:4550; Asit K. Biswas, IR4:Dec 65:106:4550

IVES, KENNETH J.

Research on Variables Affecting Filtration, with Ihsan Sholji, SA4:Aug 65:1:4436
SA1:Feb 65:92:4213, of "Theory of Water Filtration", SA4:Aug 64:1:3990

See Ernest W.J. Diaper, SA3:Jun 65:89:4378

IYENGAR, K. T. SUNDARA RAJA

Finite Beam-Columns on Elastic Foundation, with S. Anantharamu, EM6:Dec 63:139:3720

Dsc: Donald L. Dean, EM2:Apr 64:257:3882;

Thein Wah, EM3:Jun 64:289:3936

Clo: EM6:Dec 64:249:4160

TR:130:141

Influence Lines for Beams on Elastic Foundations, with S. Anantharamu, ST3:Jun 65:45:4359

Dsc: Lancelot A. Fekete, ST6:Dec 65:297:4547

Stresses in a Layered Half-Plane, with R.S. Alwar, EM4:Aug 64:79:4004

Corr: EM3:Jun 65:259:4348

TR:130:404

Dsc, with K. Chandrashekhara, ST2:Apr 65:171:4285, of "Anchor Zone Stresses in Prestressed Concrete Beams", ST4:Aug 64:49:3996

JACKSON, DONALD R.

Dsc, IR3:Sep 65:87:4453, of "Irrigation and Drainage Research Conference: Report by the Research Committee of the Irrigation and Drainage Division, ASCE", IR4:Dec 64:1:4180

Dsc, HY5:Sep 65:313:4464, of "Men, Models, Methods, and Machines in Hydrologic Analysis", HY2:Mar 65:85:4256

JACKSON, EUGENE D., III

See George Bugliarello, EM4:Aug 64:49:4003

JACOBSEN, LYDIK S.

Vibrational Transfer from Shear Buildings to Ground, EM3:Jun 64:21:3924

Dsc: John A. Blume, EM1:Feb 65:166:4212

Clo: EM4:Aug 65:182:4433

TR:130:691

JACOBSON, GEORGE LLOYD

Memoir of, TR:130:828

JAHAANSAHI, ARDISHIR

Elastic Plates Subjected to Moving Heat Sources, EM4:Aug 65:27:4426

JAIN, ABHAI K.

See A.G. Mirajgacker, HY5:Sep 65:242:4464

JAMES, L. DOUGLAS

Dsc, HY5:Sep 65:266:4464, of "Comprehensive Flood Damage Prevention", HY1:Jan 65:9:4193

Dsc, HY6:Nov 65:249:4527, of "Environmental Effects of Flood Plain Regulations", HY4:Jul 65:59:4402

JANES, HENRY W.

Dsc, SM2:Mar 65:117:4257, of "Consolidation Coefficient: Cohesive Soil Mixtures", SM5:Sept 64:31:4021

JARRETT, P. M.

Dsc, SM5:Sep 65:110:4457, of "Radial Drainage Oedometer for Laminated Clays", SM1:Jan 65:15:4198

JARVIS, ROBERT B.

Legal Aspects of Quality Control, CE:Oct 65:71

Dsc, CO1:May 65:203:4309, of "Changed Conditions Clause in Construction Contracts", CO2:Sep 64:37:4035

JELEN, VICTOR F.

Professional Development, the Younger viewpoint (Symposium)--In Public Practice, CE:Apr 64:54
TR:130:283

JENNINGS, ALAN

Dsc, ST1:Feb 65:307:4216, of "Cable Movements Under Two-Dimensional Loads", ST3:Jun 64:89:3929

Dsc, EM4:Aug 65:203:4433, of "Complementary Energy Method for Finite Deformations", EM6:Dec 64:49:4164

JENNINGS, PAUL C.

Earthquake Response of a Yielding Structure, EM4:Aug 65:41:4435

Periodic Response of a General Yielding Structure, EM2:Apr 64:131:3871

TR:130:121

See G.W. Housner, EM1:Feb 64:113:3806

JENSEN, J. E. N.

Missouri--St. Louis Steel Arch, Symbol of the Spirit of the Pioneers, CE:Oct 65:64

JENSEN, MARVIN E.

Estimating Evapotranspiration from Solar Radiation, with Howard R. Haise, IR4:Dec 63:15:3737

Dsc: J.E. Christiansen, IR2:Jun 64:63:3941

Clo: IR1:Mar 65:203:4242

TR:130:107

Dsc, HY3:May 65:333:4304, of "Estimating Evaporation from Insolation", HY5:Sep 64:33:4025

JEPPSON, ROLAND W.

Graphical Solution of the Chezy-Manning Formula for Open-Channel Flow, CE:Mar 65:61

JERNIGAN, OTIS M.

Control of Obnoxious Aquatic Plants in the Southeast, with Angelo Tabita and William E. Wunderlich, WW4:Nov 65:31:4536

JESSUP, WALTER E.

Baldwin Hills Dam Failure, CE:Feb 64:62

Dsc: Paul Baumann, CE:Apr 64:66; Alfred R. Golze, Apr 64:66

TR:130:137

JOHNSON, C. V.

See H.A. Sikso, SM5:Sep 64:157:4023

JOHNSON, HARVEY J.

See Martin E. Nelson, WW1:Feb 64:47:3789

JOHNSON, NORMAN L.

Forecasting Airport Traffic, AT2:Oct 64:181:4079

TR:130:665

JOHNSON, R. H., JR.

See M.W. Tenney, SA1:Feb 64:23:3790

JOHNSON, RODNEY W.

Effect of the Space Age on the Engineering Profession, PPI:Jan 64:1:3747

Corr: PPI:Jan 65:25:4186

TR:130:247

Dsc, SM5:Sep 65:111:4457, of "Engineering Properties of Simulated Lunar Soils", SM1:Jan 65:25:4199

JOHNSON, S. M.

See T.C. Kavanagh, CE:May 65:52

JOHNSTON, BRUCE G.

An Awareness of Reality, CE:Jan 65:58

Inelastic Buckling Gradient, EM6:Dec 64:31:4158

Dsc: Giuliano Augusti, EM4:Aug 65:199:4433

Dsc, ST5:Oct 65:363:4498, of "Strength of Round Steel Columns", ST1:Feb 65:121:4219

See I.A. El Darwish, ST1:Feb 65:203:4228

JOHNSTON, WILLIAM R.

See Arthur F. Pillsbury, IR2:Jun 65:1:4344

JONAS, DOUGLAS L.

See John E. Arnberg, CE:Oct 64:46

JONAS, ERNEST

Subsurface Stabilization of Organic Silty Clay by Precompression, SM5:Sep 64:363:4031

Dsc: Isaac W. Tarshansky, SM3:May 65:133:4308; Donald T. Goldberg, SM3:May 65:136:4308

JONES, DAN S., JR.

Desirable Features of Water Rights Laws, IR4:Dec 63:1:3711

Dsc: Wayne D. Criddle and Dallin W. Jensen, IR2:Jun 64:59:3941

Clo: IR2:Jun 65:75:4349

TR:130:512

JONES, JOHN HUGH

See Danilo M. Garcia, HW2:Dec 65:37:4581

JONES, KEITH

Yellowtail Dam on Big Horn River, Instrumented for Structural Behavior Studies, CE:Nov 64:53

TR:130:567

JONES, LLEWELLYN E.

Generalized Critical Slope for Trapezoidal Channels, with Bijoy N. Tripathy, HY1:Jan 65:85:4202

Dsc: Ze'ev Kronfeld, HY3:May 65:397:4304;

R. Robinson Rowe, HY3:May 65:398:4304;

Praxitelis A. Argyropoulos, HY5:Sep 65:286:4464; R.M. Advani, HY5:Sep 65:288:4464;

Bent A. Christensen, HY5:Sep 65:293:4464;

C.J. Apelt, HY5:Sep 65:296:4464; Ralph

W. Powell, HY5:Sep 65:297:4464

Some Observations on the Undular Jump, HY3:May 64:69:3901

Dsc: Danny L. King, HY6:Nov 64:351:4130;

Hunter Rouse, HY6:Nov 64:354:4130; F.V.A.

Engel, HY1:Jan 65:185:4192

JONES, LLEWELLYN E. Continued

Dsc, HY6:Nov 65:180:4527, of "Hydraulic Performance of Centrifugal Pumps", HY2:Mar 65:73:4255

JONES, RUSSEL C.

Professional Development, the Younger Viewpoint (Symposium)--In Teaching, CE: Apr 64:56
TR:130:284

JONSSON, IVAR G.

See H. Lundgren, HY1:Jan 64:1:3752

JOPLING, ALAN V.

Dsc, HY3:May 65:348:4304, of "Geometrical Properties of Sand-Waves", HY5:Sep 64:105:4055

JORDAAN, JAN M., JR.

Dsc, HY3:May 65:348:4286, of "Random Walk Study of Convective Diffusion", EM4:Aug 64:49:4003

Dsc, HY6:Nov 65:170:4527, of "Simple Apparatus for Producing Model Tides", HY2:Mar 65:39:4250

Dsc, HY6:Nov 65:210:4527, of "Wind Driven Water Currents", HY2:Mar 65:205:4270

JORDAN, MICHAEL

Constant Shear Moment Distribution, ST6:Dec 63:43:3717
TR:130:34

JORGENSEN, ROY E.

Deficiencies of Urban Transportation Studies, HW2:Dec 65:17:4568

JORGENSEN, VERNON F.

Aesthetic Considerations in City Construction, UP1:Jul 65:1:4389

JULICHER, A. J.

Dsc, CE:Dec 65:72, of Quality Control issue, Oct 65

JUMIKIS, ALFREDS R.

Dsc, SM4:Jul 65:236:4394, of "Earth Pressures for Bilinear Backfill Surface", SM1:Jan 65:99:4209

JURISTIC, DRAGOS A.

Dsc, EM3:Jun 65:286:4348, of "Analysis of Contained Plastic Flow in Plane Solids", EM5:Oct 64:397:4113

KABAILA, AL P.

Dsc, ST3:Jun 65:280:4346, of "Predicting Structural Behavior Analytically", ST5:Oct 64:99:4110

KABELAC, OTAKAR W.

Regulation of the Caspian Sea, WW1:Feb 64:103:3794
Dsc: Roy F. Bessey, WW4:Nov 64:171:4117
Clo: WW2:May 65:43:4307
TR:130:609

KAQ, JAO-SHIUN

Bending of Circular Sandwich Plates, EM4: Aug 65:165:4449
See Toshio Mura, EM5:Oct 64:375:4109

KAPLAR, CHESTER W.

Dsc, SM2:Mar 65:91:4257, of "Shear Strength of a Soil After Freezing and Thawing", SM4: Jul 64:1:3958

KAR, SUBIR

See S. Raghunathan, HY6:Nov 65:213:4527
See Y.R. Reddy, HY6:Nov 65:172:4527

KARARA, HOUSSAM M.

Planning and Design of Aerotriangulation Projects, SU2:Jul 64:117:3986

TR:130:424

Simultaneous Relative Orientation of Multiple Cameras, with Atef A. Elassal, SU2:Jul 64:109:3982

TR:130:70

KARPOV, ALEXANDER

Indus Valley--West Pakistan's Life Line, HY1:Jan 64:207:3774

Dsc: F.L. Lawton, HY4:Jul 64:371:3980;

Moshin Ali, HY4:Jul 64:371:3980; H.J. Asar, HY4:Jul 64:375:3980; Nazir Ahmad, HY4:Jul 64:377:3980; Kazuyoshi Kawata, HY4:Jul 64:387:3980; O.N. Wakhlu, HY4:Jul 64:388:3980; George M. Sicular, HY4:Jul 64:389:3980; L. S. Srivastav and A.G. Mirajgaoker, HY5:Sep 64:231:4050; M.S. Misra, HY5:Sep 64:232:4050; N.D. Gulhati, HY5:Sep 64:235:4050; Z.U. Kidwai, HY5:Sep 64:240:4050; M.A. Lateef, HY5:Sep 64:241:4050; H.S. Zaidi, HY5:Sep 64:241:4050; Modu-ud-Din Khan, HY5:Sep 64:242:4050; S.S. Kirmant, HY5:Sep 64:244:4050; Ahmad Hassan, HY5:Sep 64:251:4050
Clo: HY2:Mar 65:300:4249
TR:130:509

KASHEF, ABDEL-AZIZ I.

Exact Free Surface of Gravity Wells, HY4: Jul 65:167:4413

KATES, LEONARD

Die Cutting Cuts Cost of Open-Web Steel Beams, CE:Jul 64:40
TR:130:313

KAUFMAN, R. I.

Engineering Measurements for Port Allen Lock, with W.C. Sherman, Jr., SM5:Sep 64:221:4020

Dsc: Dewey M. McCain, SM3:May 65:131:4308

Clo: SM6:Nov 65:98:4525

KAVANAGH, THOMAS C.

Arecibo Radar-Radio Telescope--Design and Construction, with David H.H. Tung, CO1: May 65:69:4323

Structural Maintenance--the Third Element in the Structural Engineer's Professional Package, with S.M. Johnson, CE:May 65:52

KAZMIERCZAK, E.

See Harvey F. Ludwig, SA3:Jun 64:27:3947

KEANE, JOHN A.

Manpower by Critical Path Method, with Jack D. Trawick, CE:Jul 64:43
TR:130:288

KEENE, PHILIP

Dsc, SM5:Sep 65:95:4457, of "Settlement of Buildings on the MIT Campus", SM5:Sep 64:181:4038

KEIM, PAUL F.

Dsc, CO1:May 65:196:4309, of "Changed Conditions Clause in Construction Contracts", CO2:Sep 64:37:4035

Dsc, HY2:Mar 65:408:4249, of "Development of Ground Water in Hawaii", HY6:Nov 64:185:4144

KEIM, S. RUSSELL

Elastic Stability of Radially Nonhomogeneous Rings, EM4:Aug 65:115:4447

KEINER, EDWARD P. JR.

Post-tensioned Viaduct Piers, CE:Jan 65:72

KELLER, JACK

Effect of Irrigation Method on Water Conservation, IR2:Jun 65:61:4364

KELLERMANN, JOHN L.

Toronto Office-Building Complex Breaks Records, CE:May 65:62

KELLY, JACK E.

Dsc, IR4:Dec 65:112:4550, of "Determining Bank Storage of Lake Mead", IR1:Mar 65:141:

KELLY, RAY D.

Supersonic Transport Development Program, AT2:Oct 64:1:4091

Corr: AT2:Oct 65:78:4505

TR:130:555

KENNEDY, DANIEL

Dsc, SU1:Apr 65:63:4280, of "Highway Plans from Photogrammetrically-Compiled Maps", SU1:Apr 64:31:3859

Dsc, SU1:Apr 65:62:4280, of "Photogrammetric Measurement of Tidal Currents", SU1:Apr 64:17:3857

Dsc, SU1:Apr 65:64:4280, of "Reservoir Topography by Shoreline Plotting", SU1:Apr 64:

Dsc, SU1:Apr 65:60:4280, of "Surveying and Mapping for Water Resource Planning", SU1:Apr 64:1:3855

KENNEDY, J. B.

Series Solution of Skewed Plates, with M.W. Huggins, EM1:Feb 64:1:3795

Dsc: A. Coull, EM4:Aug 64:179:4000; Muneaki Kurata, EM5:Oct 64:421:4093

Clo: EM2:Apr 65:65:4286

TR:130:308

KENNEDY, JOHN F.

See Hitoshi Kinno, HY3:May 65:247:4343

KENNEY, T. CAMERON

Pore Pressures and Bearing Capacity of Layered Clays, SM4:Jul 64:27:3960

Dsc: A.A. Fungaroli, SM1:Jan 65:212:4197; D. L. Townsend, SM2:Mar 65:98:4257; M.R. Madhav and A. Sridharan, SM2:Mar 65:102:4257; I. da Silverira, SM2:Mar 65:105:4257
Stability of Cuts in Soft Soils, SM5:Sep 63:17:3647

Dsc: A.D.M. Penman, SM2:Mar 64:209:3850; W.J. Eden, SM3:May 64:177:3907; John H. Schmettmann, SM4:Jul 64:183:3979
Clo: SM1:Jan 65:180:4197

TR:130:171

See Lauritis Bjerrum, SM1:Jan 65:111:4210

KEREKES, FRANK

Honorary Member dies, CE:Dec 65:50

KESHAVAN, K.

Kinetics of Aerobic Removal of Organic Wastes, with V.C. Behn and W.F. Ames, SA1:Feb 64:99:3808

Dsc: Elisabeth Stumm-Zollinger, Paul L. Busch, and Werner Stumm, SA4:Aug 64:107:4006; Ross E. McKinney, SA5:Oct 64:59:4097
Clo: SA3:Jun 65:117:4353
TR:130:770

Dsc, SA3:Jun 65:136:4353, of "Second Order Equation for BOD", SA1:Feb 65:43:4232

KETT, IRVING

Resident Engineer Responsibility on Construction, CE:Jan 64:56

TR:130:15

KEZDI, A. S.

Dsc, SM4:Jul 65:213:4394, of "Fundamental Aspects of the Atterberg Limits", SM6:Nov 64:75:4140

KHAN, A. R.

See P.J. Anderson, CE:Aug 65:65

KHAN, FAZLUR R.

Interaction of Shear Walls and Frames, with John A. Sbarounis, ST3:Jun 64:285:3957

Dsc: Yoshio E. Yamamoto, ST1:Feb 65:317:4216

KHWAJA, I.

Dsc, CE:Oct 65:80, of "A New and Better Foreign Assistance Program." CE:Jul 65:63

See C.B. Wilby, EM6:Dec 65:186:4549

KIDBY, HAROLD A.

"Placed-Stone" Jetty, Stone-Weight Coefficients, with Samuel B. Powell and Arthur L. Roberts, WW4:Nov 64:77:4134

Dsc: Harry S. Perdakis, WW2:May 65:58:4307; Robert Q. Palmer, WW3:Aug 65:153:4420

KIERSCH, GEORGE A.

Vaiont Reservoir Disaster, CE:Mar 64:32

KIERSCH, GEORGE A. Continued

Dsc: G.E.H. Ballard, CE:Jul 64:70; Carlo Berghinz, CE:Mar 65:63; Author's reply, CE:Jul 64:70
TR:130:155

KIM, YOUNG C.

Response of Models to Water-Shock Loading, with Raymond C. Binder, EM6:Dec 65:67:4565

KINDINGSTAD, EIVIND

Mathematical Model for Transient River Flow, HY3:May 64:23:3899
Dsc: Chintu Lai, HY1:Jan 65:167:4192
Clo: HY4:Jul 65:280:4399
TR:130:682

KINDSVATER, CARL E.

Trend in Water Resources Education, PP2:May 64:1:3889

Dsc: N.T. Veatch, PP1:Jan 65:37:4186; Roy M. Green, PP1:Jan 65:38:4186; Eugene W. Weber, PP1:Jan 65:39:4186; Gordon R. Williams, PP1:Jan 65:40:4186; Janusz R. Rydzewski, PP1:Jan 65:41:4186; Ray K. Linsley, PP1:Jan 65:42:4186; John W. Foster, PP1:Jan 65:42:4186; Charles D. Curran, PP2:Sep 65:80:4454; Thorndike Saville, PP2:Sep 65:83:4454

KING, ELWYN H.

Guide to Development and Use of Electronic Computer Programs: Engineering Analysis, ST6:Dec 64:25:4154
TR:130:775

KING, IAN P.

See Ray W. Clough, ST3:Jun 64:19:3925

KINNO, HITOSHI

Water-Hammer Charts for Centrifugal Pump Systems, with John F. Kennedy, HY3:May 65:247:4343

KIRKHAM, DON

See Sadik Taksoz, IR3:Sep 65:65:4477

KIRKLAND, GEORGE H.

Florida--Criteria for Construction in Creating Another Cape Kennedy Colossus, CE:Oct 65:59

KIRPICH, PHILIP Z.

Dsc, PP1:Jan 65:48:4186, of "Educational Requirements for Water Resource Engineers", PP2:May 64:7:3890

KJAERNSLI, B.

See Lauritis Bjerrum, SM1:Jan 65:111:4210

KLATTE, GEORG

See Rudolph F. Fischl, CE:Feb 65:60

KLAWITTER, RALPH A.

Forest Drainage Research in the Coastal Plain, with Cortland E. Young, Jr., IR3:Sep 65:1:4456

KLEIMAN, WILLIAM F.

Use of Surcharges in Highway Construction, SM5:Sep 64:331:4048
TR:130:623

KLEIN, STANLEY

Dsc, EM3:Jun 65:262:4348, of "Finite Element Solution for Axisymmetrical Shells", EM5:Oct 64:119:4085

KLOHN, EARLE J.

Buckling of Long Unsupported Timber Plates, with G. T. Hughes, SM6:Nov 64:107:4141
Dsc: Melvin T. Davissan, SM4:Jul 65:224:4394

KNAPP, DOUGLAS J.

See W. Douglas Baines, HY2:Mar 65:205:4270

KNAPP, WILLIAM J.**KNIGHT, GAIL B.**

See Francis R. Shanley, ST4:Aug 65:47:4429
Subway Tunnel Construction in New York City, CO2:Sep 64:15:4032
TR:130:503

KNIGHT, S. J.

See W.G. Shockley, SM4:Jul 65:239:4394

KNOWLES, G.

Dsc, SA1:Feb 65:88:4213, of "BOD and Oxygen Relationships in Streams", SA3:Jun 64:53:3949

KOBORI, TAKESHI

Dsc, HY1:Jan 65:234:4192, of "Waterhammer Analysis of Pipelines", HY4:Jul 64:151:3974

KOBUS, HELMUT E.

See Eduard Naudascher, HY3:May 64:155:3904

KOCIS, PETER

Dsc, SM1:Jan 65:188:4197, of "Analysis of Pile Groups with Flexural Resistance", SM3:May 64:1:3887
Dsc, ST1:Feb 65:295:4216, of "Reinforcement Requirements for Girder Web Openings", ST3:Jun 64:147:3919

KOELZER, VICTOR A.

Hydrology of Spillway Design: Large Structures—Limited Data, with Marcel Bitoun, HY3:May 64:261:3913
Dsc: Gordon R. Williams, HY1:Jan 65:202:4192; Beni P. Sangal, HY1:Jan 65:203:4192
Clo: HY4:Jul 65:286:4399
TR:130:569
Research Needs in Surface-Water Hydrology: Report of the Committee on Surface-Water Hydrology, ASCE, HY1:Jan 65:75:4201
Dsc: Aubrey L. Sharp, HY5:Sep 65:282:4464; Asit K. Biswas, HY5:Sep 65:285:4464

KOENIG, EUGENE H.

New Techniques for Very Accurate Measurement, CE:Aug 64:41
TR:130:358

KOHER, WILHELM

Austrian engineer dies, CE:May 65:86

KOLB, C. R.

See Willard J. Turnbull, WW4:Nov 65:66:4531

KONDNER, ROBERT L.

Consolidation Coefficient: Cohesive Soil Mixtures, with José R. Vendrell, Jr., SM5:Sep 64:31:4021

Dsc: Henry W. Janes, SM2:Mar 65:117:4257

Clo: SM5:Sep 65:93:4457

TR:130:629

See Raymond J. Krizek, SM5:Sep 64:269:4045

See Bruce B. Schimming, IR2:Jun 64:21:3930

KORKIGIAN, IRA M.

Channel Changes in the St. Clair River Since 1933, WW2:May 63:1:3511

Dsc: Vernon L. Kimball, WW1:Feb 64:151:

3814

Clo: WW4:Nov 64:129:4117

TR:130:5

KOSTRO, GEORGE

The Prestressed Glued Joint for Steel Connections, CE:Apr 65:75

The Triangular Bar Chart, CE:Nov 64:67

Dsc, Joseph S. Ward, CE:Feb 65:69; John F. Tsern, CE:May 65:74

TR:130:538

KOWALIK, JANUSZ

Dsc, ST4:Aug 65:214:4432, of "Optimum Structural Design Using Linear Programming", ST6:Dec 64:89:4163

KRAFT, DAVID C.

Analysis of a Two-Layer Viscoelastic System, EM6:Dec 65:129:4576

KRAVITZ, R. A.

Increasing the Efficiency of Helicopters on Transmission-Line Construction, with E.S. Zobel, CE:Jun 64:72

Dsc: L.H.J. Cook, CE:Sep 64:68

TR:130:489

KRENKEL, PETER A.

See Edward L. Thackston, SA1:Feb 65:84:4213

KRIEG, JOE L.

Criteria for Planning an Offshore Pipeline, PL1:Jul 65:15:4407

KRIEGER, JAMES H.

The Law of the Underground, CE:Mar 64:52

TR:130:167

KRISHANAYYA, A. V. GOPALA

See V.J. Patel, SM2:Mar 64:87:3840

KRIZ, GEORGE

Dsc, IR4:Dec 65:131:4550, of "Double Slope Method for Pumping Test Analysis", IR2:Jun 65:51:4363

KRIZEK, RAYMOND J.

Approximation for Terzaghi's Bearing Capacity Factors, SM2:Mar 65:1:4247
Settlement Response Caused by Footing Groups, with Robert L. Kondner, SM5:Sep 64:269:4045

Dsc: E.S. Barber, SM1:Jan 65:228:4197; Hamilton Gray, SM2:Mar 65:122:4257; I. da Silva, SM2:Mar 65:127:4257

Clo: SM5:Sep 65:108:4457

TR:130:659

KROKOSKY, EDWARD M.

An Applied Science of Materials for Civil Engineers, CE:Jul 65:54

KRONFELD, ZE'EV

Dsc, HY3:May 65:397:4304, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202

KRUKA, V.

Dsc, EM4:Aug 65:214:4433, of "An Inclined Plume", EM1:Feb 65:7:4215

KRYNICKI, EDWARD J.

Frames of Solid Bars of Varying Cross Sections, with Zbigniew E. Mazurkiewicz, ST4:Aug 64:145:4010

Dsc: Shou-ling Wang, ST1:Feb 65:318:4216; S.Z. Al-Sarraf, ST1:Feb 65:320:4216; Keiichiro Hayashi, ST2:Apr 65:197:4285

KUECH, ROBERT WALTER

Memoir of, TR:130:829

KUHS, WILLIAM C.

Dsc, IR4:Dec 65:86:4550, of "Federal Versus State Interests in Water Development", IR1:Mar 65:31:4246

KULKARNI, MANGESH G.

See Kaveti Seetharamulu, ST3:Jun 64:165:3939

KUPFERMAN, ARNOLD

See Armando Balloffet, HY6:Nov 64:63:4133

LACEY, GERALD

Dsc, HY1:Jan 65:219:4192, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

Dsc, IR4:Dec 65:123:4550, of "Irrigation in India: Past and Present", IR1:Mar 65:179:4277

LACKMAN, LESLIE M.

Circular Plates Loaded into the Plastic Region, EM6:Dec 64:21:4155

Corr: EM4:Aug 65:199:4433

TR:130:787

See T.H. Lin, EM3:Jun 64:87:3937

LACY, FLOYD P. JR.

Tenn.--Nickajack Dam, a Replacement for Hales Bar, with Ward W. Engle, CE:Jul 65:50

LADD, CHARLES C.

Stress-Strain Modulus of Clay in Undrained Shear, SM5:Sep 64:103:4039

Dsc: Hiram G. Larew, SM1:Jan 65:224:4197

LADD, CHARLES C. Continued

Clo: SM4:Jul 65:196:4394
TR:130:589

LAI, CHINTU

Dsc, HY1:Jan 65:167:4192, of "Mathematical Model for Transient River Flow", HY3:May 64: 23:3899

LAING, JOHN J.

Asphalt Paving Equipment, CE:Jun 64:36
TR:130:475

LAIRD, MAX O.

Arctic Siting and Surveying, SU1:Apr 65:1:4287

LAMBE, T. WILLIAM

Methods of Estimating Settlement, SM5:Sep 64:43:4069

Dsc: I. da Silverira, SM3:May 65:159:4308
Soil Properties Research Inventory: Report of the Committee on Properties of Soils and Soil Deposits, ASCE, SM6:Nov 64:25:4127

Add: SM4:Jul 65:206:4394

See Harry M. Horn, SM5:Sep 64:181:4038

LA MER, VICTOR K.

Dsc, IR4:Dec 65:102:4550, of "Evaporation Reduction on Large Reservoirs", IR1:Mar 65: 93:4262

LANE, ROBERT K.

Estimating Evaporation from Insolation, HY5: Sep 64:33:4025

Dsc: Jerald E. Christiansen, HY1:Jan 65:236: 4192; Wilfried Brutsaert, HY2:Mar 65:392: 4249; Tor J. Nordenson, HY2:Mar 65:394:4249; Marvin E. Jensen, HY3:May 65:333:4304; John C. Stephens, HY5:Sep 65:171:4464

LANG, C. H.

Expressway Maintenance: Costs and Problems in Urban Areas, CE:Sep 64:42
TR:130:317

LANGBEIN, WALTER B.

Geometry of River Channels, HY2:Mar 64:301: 3846

Dsc: W.W. Emmett and L.B. Leopold, HY5:Sep 64:277:4050; Thomas Blench, HY6: Nov 64:331:4130; John F. Kennedy, P.D. Richardson, and S.P. Sutera, HY6:Nov 64: 332:4130

Clo: HY3:May 65:297:4304

TR:130:679

LANGE, FRED E.

Washington--Seattle's Record-Breaking Sewage-Treatment System, CE:Mar 65:31

LANGFELDER, LEONARD J.

See Roy E. Olson, SM4:Jul 65:127:4409

LAO, VINCENT L.

Vertical Curve Plotting with Circular Templates, HW2:Aug 64:1:3998

Dsc: Frank E. Bosland, HW1:Jan 65:71:4185;

James W. O. Baker, HW1:Jan 65:72:4185;

James A. Christenson, HW2:Dec 65:131:4548

Clo: HW2: Dec 65:133:4548

LARA, JOE M.

Dsc, HY5:Sep 65:319:4464, of "Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual", HY2:Mar 65:251:4260

LAREW, HIRAM G.

Dsc, SM1:Jan 65:224:4197, of "Stress-Strain Modulus of Clay in Undrained Shear", SM5: Sep 64:103:4039

LARSEN, IAN

Dsc, HY2:Mar 65:386:4249, of "Turbulent Flow in Porous Media", HY5:Sept 64:1:4019

LARSON, CARL S.

Oregon Sets the Pace on the Interstate, CE:Apr 64:32

TR:130:196

LASZLO, GEORGE

Expanding a Prestressed Concrete Plant, CE: Apr 65:42

LAU, L. STEPHEN

Dsc, HY5:Sep 65:236:4464, of "Development of Ground Water in Hawaii", HY6:Nov 64:185:4144

LAURSEN, E. M.

See J. F. Harp, CE:Oct 65:85

LAVERTY, BRUCE R.

Design and Performance of Mammoth Pool Power Tunnel, with Klaus R. Ludwig, PO1: Sep 63:9:3642

Dsc: Carlos S. Ospina, PO1:Mar 64:97:3849;

J. George Thon, PO1:Mar 64:100:3849; J.R.

Hunter and K.E. Johnson, PO1:Mar 64:101:

3849; F.L. Lawton, PO1:Mar 64:103:3849;

Donald VanSickle, PO2:Jul 64:25:3977

Clo: PO1:May 65:96:4313

TR:130:416

Dsc, PO1:May 65:112:4313, of "Tunnels for Hydroelectric Power in Tasmania", PO3:Oct 64: 11:4065

See Ralph W. Spencer, PO3:Oct 64:105:4087

LAWHON, LESTER F.

Water Management on Ricelands in Louisiana, with Louis W. Herndon, IR4:Dec 65:23:4569

LAWLER, CHARLES A.

Trends in Automobile Parking at Airports, AT2:Oct 64:69:4076

TR:130:583

LAWRANCE, CHARLES H.

Design Aspects of Lompoc Water Treatment Plant, SA6:Dec 64:81:4181

Dsc: H.L. Thackwell, SA4:Aug 65:65:4421

LAWRENCE, RAY E.

Dsc, PP1:Jan 65:50:4186, of "Education for Sanitary Engineers", PP2:May 64:15:3894

LAWSON, LEROY D.

Chile--Seabees Give Technical Assistance in Chile, CE:Feb 65:47

LAWTON, FREDERIC L.

Factors Influencing Flow in Large Conduits: Report of the Task Force on Flow in Large Conduits of the Committee on Hydraulic Structures, ASCE, HY6:Nov 65:123:4534

Dsc, PO1:May 65:128:4313, of "Contractor's View on Unlined Tunnels", PO3:Oct 64:91:4086

Dsc, PO1:May 65:118:4313, of "Rock Trap Experience in Unlined Tunnels", PO3:Oct 64:29:4067

Dsc, PO1:May 65:114:4313, of "Tunnels for Hydroelectric Power in Tasmania", PO3:Oct 64:11:4065

Dsc, PO1:May 65:118:4313, of "Unlined Tunnels of the Snowy Mountain Hydro-Electric Authority, Australia", PO3:Oct 64:47:4071

Dsc, PO1:May 65:130:4313, of "Unlined Tunnels of the Southern California Edison Company", PO3:Oct 64:105:4087

LAY, MAXWELL G.

Flange Local Buckling in Wide-Flange Shapes, ST8:Dec 65:95:4554

Inelastic Steel Beams Under Uniform Moment, with Theodore V. Galambos, ST6:Dec 65:67:4566

Role of Strain Hardening in Plastic Design, with Paul D. Smith, ST3:Jun 65:25:4355

Dsc: Alexander P. Hrennikoff, ST5:Oct 65:407:4498

Yielding of Uniformly Loaded Steel Members, ST6:Dec 65:49:4580

Dsc, ST4:Aug 65:248:4432, of "Effect of Large Alternating Strains on Steel Beams", ST1:Feb 65:1:4217

Dsc, ST3:Jun 65:296:4346, of "Experimental Rotation Capacity of Steel Beam-Columns", ST6:Dec 64:171:4175

See Theodore V. Galambos, ST4:Aug 65:125:4444

LAZARR, THADDEUS R. L.

Waterproofing below the Ground Line, CE:Jun 65:73

LECHT, CHARLES P.

See Melvin L. Baron, EM3:Jun 65:129:4374

LEDBETTER, JOE E.

Environmental Hazards of Radioactive Wastes, SA1:Feb 65:59:4237

Predictive Techniques for Water Quality-Inorganics, with Earnest F. Gloyna, SA1:Feb 64:127:3810

Dsc: Fred C. Hart, Paul H. King, and George Tchobanoglous, SA5:Oct 64:63:4097

Clo: SA2:Apr 65:66:4281

TR:130:193

LEDERER, FERDINAND

Dsc, ST5:Oct 65:385:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

LEE, CHARLES E.

Small-Craft Harbor Problems, WW3:Aug 64:1:4015

Dsc: M.R. Gourlay, WW1:Feb 65:41:4221

Clo: WW3:Aug 65:144:4420

TR:130:647

LEE, DOUGLAS R.

Daylight Star Observations in Antarctica, SU2:Jul 64:75:3971

Corr: SU1:Apr 65:72:4280

TR:130:221

LEE, GEORGE C.

See Sherwood P. Prawel, Jr., EM1:Feb 64:83:3805

LEE, LAWRENCE H. N.

See Allan J. Malvick, EM3:Jun 65:113:4372

LEE, SENG-LIP

Buckling of Steel Columns Under Arbitrary End Loads, with G.F. Hauck, ST2:Apr 64:179:3872

TR:130:73

Ribless Folded Plates, with Victor A. Pulmano and T.J. Lin, ST1:Feb 65:253:4238

See George F. Hauck, ST6:Dec 63:297:3738

See Arthur C. Heidebrecht, ST2:Apr 64:315:3881

See Victor A. Pulmano, ST6:Dec 65:215:4578

See Toshio Mura, EM5:Oct 64:375:4109

See B.J. Thorn, EM4:Aug 64:97:4007

See Frederick P. Wiesinger, ST5:Oct 63:13:

LEIGH, GERALD M.

Dsc, SA5:Oct 65:73:4492, of "Second Order Equation for BOD", SA1:Feb 65:43:4232

LEININGER, R. I.

Plastic Pipe for Water and Gas Distribution, PL1:Jul 65:1:4404

LELAND, THOMAS E.

Short Span Sag Calculations with Insulator Bells, PO1:May 65:11:4317

LÉMEHAUTÉ, BERNARD

See J.S. Freeman, HY2:Mar 64:187:3834

LENARD, JOHN F.

Precast T's and Slabs Make Culverts Quickly, CE:Oct 64:64

TR:130:431

LENAU, CHARLES W.

Lsc, HY2:Mar 65:372:4249, of "Two-Dimensional Flow Over Sills in Open Channels", HY4:Jul 64:107:3967

LENZ, ARNO T.

See David A. Woolhiser, HY3:May 65:165:4333

LEONARD, RICHARD W.

Dsc, HY6:Nov 65:199:4527, of "Flow Measurements at Columbia River Power Plants", HY2: Mar 65:125:4263

LEONARDS, GERALD A.

Compressibility of Clay, with Adolph G. Altschaeffl, SM5:Sep 64:133:4049
Dsc: Laing Barden, SM3:May 65:144:4308

LEPIK, ULO

Dsc, EM2:Apr 65:76:4286, of "Analysis of an Inelastic Columns", EM4:Aug 64:1:3992

LEUTHEUSSER, HANS J.

Dsc, HY6:Nov 65:206:4527, of "Study of Static Pressure Along a Rough Boundary", HY2:Mar 65: 193:4269

LEVI, ENZO

Dsc, HY6:Nov 65:241:4527, of "Boundary Layer Development and Spillway Energy Losses", HY3: May 65:149:4331

LEVI, VICTOR

Structural Subassemblages Prevented from Sway, with George C. Driscoll, Jr. and Le-Wu Lu, ST5:Oct 65:103:4509

LEVINSON, MACK

Dsc, EM4:Aug 65:206:4433, of "Complementary Energy Method for Finite Deformations", EM6: Dec 64:49:4164

LEVINTON, ZUSSE

Dsc, WW1:Feb 65:44:4221, of "Small Craft Harbors Development: Progress Report of the Task Committee on Small Craft Harbors, Committee on Ports and Harbors", ASCE, WW3: Aug 64:11:4016

LEVY, ROY

Dsc, EM5:Oct 65:233:4495, of "Grid-Frame-work Method for Plates in Flexure", EM3:Jun 65: 53:4361

LEW, H. S.

See P.B. Cooper, ST1:Feb 64:1:3784

LI, C. Y.

Colombia--Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Miraflores Dam, CE:Dec 64:51

Dsc by author, CE:Jun 65:72

TR:130:727

Colombia, S.A.--Placing Earth Fill for Troneras Dam, CE:Feb 63:37

Dsc by author, CE:Mar 64:74

LI, SHU-T'EN

Dsc, CE:Feb 65:69 on "A Reasonably Balanced Undergraduate Program," CE:Nov 64:71

Dsc, ST4:Aug 65:253:4432, of "Membrane Forces and Buckling in Reticulated Shells", ST1: Feb 65:173:4227

Dsc, PP1:Jan 65:25:4186, of "Professional Development--The Student's Responsibility", PP1: Jan 64:9:3748

Dsc, PP2:Sep 65:91:4454, of "Teaching Engineering Attitude to Students", PP1:Jan 65:1:4189

Dsc, UP1:Jul 65:49:4388, of "Urban Planning Definitions: Report of the Committee on Terminology Used in the Practice of City Planning", UP1:Sep 64:15:4033

LI, WEN-HSIUNG

Band Diffusion With Variable Parameters Along Flow, EM5:Oct 64:343:4106

Dsc: John A. Hoopes and Donald R.F. Harleman, EM3:Jun 65:280:4348

Clo: EM6:Dec 65:181:4549

Pressure Generated by Cavitation in a Pipe, with James P. Walsh, EM6:Dec 64:113:4168

Corr: EM4:Aug 65:209:4433

TR:130:789

LIAW, BOEN-DAR

See James N. Gillespie, EM1:Feb 64:23:3798

LIBOVE, CHARLES

Complementary Energy Method for Finite Deformations, EM6:Dec 64:49:4164

Dsc: Alan Jennings, EM4:Aug 65:203:4433;

Mark Levinson, EM4:Aug 65:206:4433; Thomas M. Charlton, EM4:Aug 65:207:4433

LIGGET, JAMES A.

Initial Motion Problem in Porous Media, with Christos Madjithodorou, HY3:May 65:61:4322

Dsc: Gedeon Dagan, HY6:Nov 65:221:4527

Secondary Currents in a Corner, with Chao-Lin Chiu and Ling S. Miao, HY6:Nov 65:99:4538

Dsc, with David A. Woolhiser, HY6:Nov 65: 224:4527, of "Computer Analysis of Overland Flow", HY3:May 65:81:4325

LIN, PING-CHUAN

See James V. Parcher, SM3:May 65:1:4316

LIN, T. H.

Relief of Residual Stresses by Heating Patterns, with Leslie M. Lackman, EM3:Jun 64:87:3937

Dsc: T.C.Fan, EM5:Oct 64:465:4093; Kuni-hiko Satoh, EM1:Feb 65:169:4212

Clo: EM3:Jun 65:254:4348

TR:130:675

LIN, T. J.

See Seng Lip Lee, ST1:Feb 65:253:4238

LIN, T. Y.

Design of Prestressed Concrete Buildings for Earthquake Resistance, ST5:Oct 65:1:4488

Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum--with Ben W. Young, CE:Jul 65:56

LINAWEAVER, F. PIERCE, JR.

See C. Scott Clark, SA3:Jun 65:135:4353

LIND, BRUCE A.

Traffic Accident Study on Milwaukee Expressway, with H. Hong, HW1:Jan 65:25:4205

- LIND, BRUCE A.** Continued
Dsc: Lawrence L. Ames, HW2:Dec 65:141:4548
- LIND, NIELS C.**
Analysis of Deflections in Elastic-Plastic Frames, ST3:Jun 65:197:4381
Iterative Limit Load Analysis for Tall Frames, ST2:Apr 64:103:3867
Dsc: M.G. Lay, ST4:Aug 64:337:4001; A.A. Eremin, ST5:Oct 64:229:4066; A.N. Sherbourne, ST6:Dec 64:337:4157
Clo: ST4:Aug 65:183:4432
TR:130:661
Dsc, ST4:Aug 65:255:4432, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227
- LINDEMANN, W. E.**
Dsc, CE:Dec 65:72 on prophetic qualities of John Jacob Astor book, "A Journey in Other Worlds"
- LINDORF, MARVIN R.**
See Robert P. Shubinski, HY5:Sep 65:33:4470
- LINN, JOHN NELSON**
See W.O. Hiltabidle, Jr., CO1:May 65:141:4340
- LINSLEY, RAY K.**
Dsc, HY3:May 65:375:4304, of "Mathematical Model for Flood Risk Evaluation", HY6:Nov 64:14119
Dsc, PP1:Jan 65:42:4186, of "Trend in Water Resources Education", PP2:May 64:1:3889
See James A. Morgall, HY3:May 65:81:4325
- LIPETZ, MORTON B.**
Dsc, CE:Feb 65:68, of "A Cooperative Computer Center," CE:Sep 64:56
- LIPP, ROBERT**
Dsc, EM3:Jun 65:262:4348, of "Finite Element Solution for Axisymmetrical Shells", EM5:Oct 64:119:4085
- LIPSCOMB, ERNEST B.**
See Ellsworth I. Davis, CE:Nov 65:64
- LISTON, RONALD A.**
See Louis J. Goodman, HW1:Jan 64:1:3761
- LITTLE, WILLIAM A.**
Computer System Designed for Teaching and Structural Research at MIT, with Kenneth F. Reinschmidt, CE:Aug 65:71
- LITTLE, ROBERT W.**
See Alosi L. Schlack, EM5:Oct 64:171:4089
- LITTLEFIELD, J. N.**
Charts Simplify Reinforced-Masonry Design, CE:Aug 65:73
- LIU, C. Y.**
See R.L. Bjork, EM5:Oct 65:77:4506
- LIU, THOMAS K.**
Dsc, with Norbert O. Schmidt and Thomas H. Thronburn, SM4:Jul 65:217:4394, of "Fundamental Aspects of the Atterberg Limits", SM6:Nov 64:75:4140
- LIVESEY, ROBERT H.**
See Donald C. Bondurant, HY5:Sep 65:51:4473
- LO, KWAN YEE**
Stability of Slopes in Anisotropic Soils, SM4:Jul 65:85:4405
Dsc: George G. Meyerhof, SM6:Nov 65:132:4525
- LO, M. B.**
See Nyal E. Wilson, SM1:Jan 65:231:4197
- LOEHR, RAYMOND C.**
An Oxidation Pond as a Tertiary Treatment Device, with Ralph L. Stephenson, SA3:Jun 65:
- LOGAN, JOHN A.**
Report on Engineering Foundation's Research Conference on Urban Transportation, Aug 26-30, 1963, CE:Apr 64:34
TR:130:201
Dsc, CE:Nov 65:99, of "Interprofessional Relations," CE:Aug 65:33
- LOKKEN, E. C.**
What's New in Concrete Paving, CE:Mar 64:54
Dsc: Delmar L. Bloem, CE:May 64:64
TR:130:151
- LOMAX, CLAUD C.**
Spillage Discharge Coefficients for Rock Island Dam, HY3:May 65:19:4320
Dsc: David N. Raffel, HY6:Nov 65:214:4527
- LONG, ERWIN L.**
The Long Thermopile, CE:Apr 64:36
TR:130:189
- LONG, LESLIE D.**
Quality Control of Concrete, CE:Nov 64:59
Dsc, E.A. Abdun-Nur, CE:Mar 65:64
TR:130:549
See W.O. Hiltabidle, Jr., CO1:May 65:141:4340
- LONGLEY, H. J.**
See Earnest F. Gloyna, SA1:Feb 64:43:3793
- LOO, TA-CHENG**
Experiments on Stability on Spherical Caps, with Ross M. Evan-Iwanowski, EM3:Jun 64:255:3956
TR:130:69
- LOOV, ROBERT E.**
Dsc, ST6:Dec 65:293:4547, of "Flexural Strength of Steel and Concrete Composite Beams", ST2:Apr 65:71:4294

LOW, EDWARD J.

Dsc, IR3:Sep 65:93:4453, of "Preliminary Optimization of an Aqueduct Route", IR1:Mar 65:45:4248

LOWE, JOHN, III

Consolidation Testing with Back Pressure, with Philip F. Zaccaro and Harvey S. Feldman, SM5:Sep 64:69:4058

Dsc: Peter W. Rowe, SM3:May 65:153:4308

LOWITZ, CLEMITH A.

See Wesely G. Holtz, SM5:Sep 65:1:4476

LOYD, HAROLD L.

Professional Development, the Younger Viewpoint (Symposium)--In Private Practice, CE:Apr 64:55

TR:130:283

LU, LE-WU

Inelastic Buckling of Steel Frames, ST6: Dec 65:185:4577

See Victor Levi, ST5:Oct 65:103:4509

LU, ZUNG-AN

See Egor P. Popov, EM5:Oct 64:119:4085

LUBENAU, JOEL O.

Dsc, with Francis J. Haughey, UP1:Jul 65:51:4388, of "Reactor Containment and Environmental Considerations", UP1:Sep 64:21:4037

LUDWIG, HARVEY F.

Waste Disposal and the Future at Lake Tahoe, with E. Kazmierczak and Ralf C. Carter, SA3: Jun 64:27:3947

TR:130:228

Dsc, with Joseph L. Feeney, SA1:Feb 65:100:4213, of "Quality Aspects of Waste Water Reclamation", SA5:Oct 64:1:4104

LUDWIG, KLAUS R.

Dsc, WW4:Nov 65:63:4531, of "Inland Water Transportation in Poland", WW1:Feb 65:1:4231

See Bruce R. Laverty, PO1:Sept 63:9:3642

LUEDER, DONALD R.

See M.D. Morris, SA1:Feb 65:1:4220

LUKAS, ROBERT G.

See William M. Perpich, SM3:May 65:141:4308

LUND, S.

Bridges on Stockholm Motorway, CE:Dec 64:62

TR:130:731

LUNDGREN, H.

Shear and Velocity Distribution in Shallow Channels, with Ivar G. Jonsson, HY1:Jan 64:1:3752

Dsc: Hans J. Leutheusser, HY5:Sep 64:169:4050; E.O. Macagno and T.K. Hung, HY5:Sep 64:170:4050; R. Hugh Taylor, Jr., HY6:Nov 64:257:4130

Clo: HY4:Jul 65:273:4399

TR:130:693

LUNDGREN, RAYMOND

See H. Bolton Seed, SM4:Jul 64:107:3983

See H. Bolton Seed, SM6:Nov 64:75:4140

LUNDQUIST, ERIK G. W.

Dsc, HY3:May 65:325:4304, of "Turbulent Flow in Porous Media", HY5:Sep 64:1:4019

LUSCHER, ULRICH

Dsc, SM1:Jan 65:190:4197, of "Electric Analogs in Time-Settlement Problems", SM3:May 64:33:3892

LYCAN, DANIEL L.

Engineering Challenges of Lunar Exploration, CE:Dec 65:40

LYNCH, WILLIAM O.

Dsc, SA1:Feb 65:82:4213, of "BOD Oxygen Relationships in Streams", SA3:Jun 64:53:3949

LYNN, WALTER R.

See Gordon P. Fisher, PP1:Jan 64:15:3749

See M. Mead Montgomery, SA1:Feb 64:73:3807

See Richard M. Shane, HY6:Nov 64:1:4119

MacGREGOR, JAMES G.

Dsc, ST3:Jun 65:281:4346, of "Behavior of Restrained Reinforced Concrete Columns", ST5: Oct 64:113:4111

MacKENZIE, VERNON G.

National Policy on Air Pollution Control, SA6: Dec 64:51:4166

Dsc: Lyman A. Ripperton, SA4:Aug 65:55:4421

MacMAHON, B.

See C.M. White, HY3:May 65:364:4304

MADHAV, M. R.

Dsc, with A. Sridharan, SM2:Mar 65:102:4257, of "Pore Pressures and Bearing Capacity of Layered Clays", SM4:Jul 64:27:3960

MADSEN, B.

See R.F. Hooley, ST3:Jun 64:201:3948

MAGNUSON, SENATOR WARREN G.

A Sea-Level Canal to Link the Atlantic and the Pacific, CE:Aug 64:70

TR:130:405

MAHER, F. J.

Wind Loads on Basic Dome Shapes, ST3:Jun 65:219:4383

MAJERUS, JOHN N.

Fracture and Reliability of Filament-Wound Chambers, with S.K. Ferreira, EM1:Feb 65:107:4234

MALAIKA, JAMIL

Flow in Noncircular Conduits, HY6:Nov 62:1:3310

MALAIKA, JAMIL Continued

Dsc: Praxitelis A. Argyropoulos, HY3:May 63:365:3529; Sergio Montes, HY3:May 63:368:3529; C.J. Posey, HY4:Jul 63:231:3580
 Clo: HY6:Nov 64:233:4130
 Corr: HY3:May 65:273:4304

MALVICK, ALLAN J.

Buckling Behavior of an Inelastic Column, with Lawrence H.N. Lee, EM3:Jun 65:113:4372

MANN, ANTHONY P.

Underwater Inspection of Test Fill in Gatun Lake for Dam to Serve Panama Canal, Anthony P. Mann, CE:May 64:31
 TR:130:241

MANN, O. CLARKE

Dsc, SM6:Nov 65:130:4525, of "Some Swelling Characteristics of Compacted Clays", SM3:May 65:1:4316

MANSUR, CHARLES I.

Pumping Test to Determine Permeability Ratio, with Rudy J. Dietrich, SM4:Jul 65:151:4415

MARK, ROBERT

See David G. Elms, EM4:Aug 65:69:4441

MARKOWITZ, JOEL

Plastic Analysis of Orthotropic Circular Plates, with Ling-Wen Hu, EM5:Oct 64:251:4098
 Corr: EM4:Aug 65:197:4433
 TR:130:630

MARSH, CEDRIC

Dsc, ST4:Aug 65:254:4432, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

MARTIN, HAROLD M.

Practical Results of Hydraulics Research: Hydraulics Division Committee on Research, CE:Aug 64:38
 TR:130:347

MARTIN, W. R.

Roll-Ramp Lifting Device for Fishway at Priest Rapids Dam, CE:Jun 64:69
 TR:130:535

MARULIC, WALTER J.

See Jeng C. Shang, ST5:Oct 64:161:4115

MAST, PAUL E.

Analysis Comparisons for Single Curved Shell Roofs, ST2:Apr 65:1:4282
 Dsc: A. Mehmel, ST6:Dec 65:290:4547

MASUR, ERNEST F.

Development of Boundary Layers in Buckled Plates, with C.H. Chang, EM2:Apr 64:33:3863
 TR:130:67
 See Yao W. Chang, EM5:Oct 65:1:4497

MATALAS, N. C.

See Manuel A. Benson, HW1:Jan 65:55:4208

MATEOS, MANUEL

Soil-Lime Research at Iowa State University, SM2:Mar 64:127:3847

Dsc: S. Sridhara, SM6:Nov 64:223:4122;
 Vahit Kumbasar and Ergun Togrol, SM6:Nov 64:224:4122; T.S. Nagaraj, SM6:Nov 64:225:4122

Clo: SM3:May 65:129:4308
 TR:130:433

Dsc, CE:Mar 65:64, on differentiating between soil tests in lab and field.

MATHEWS, ARCHIE

Dsc, CE:Oct 65:81, of "An Applied Science of Materials for Civil Engineers," CE:Jul 65:54

MATLOCK, HUDSON

Dsc, with Berry R. Grubbs, SM1:Jan 65:183:4197, of "Lateral Resistance of Piles in Cohesive Soils", SM2:Mar 64:27:3825

MATTMOE, JOHN J.

Rock Trap Experience in Unlined Tunnels, with E. Roy Tinney and W. Weston Wolcott, PO3:Oct 64:29:4067

Dsc: Howard E. Dann, PO1:May 65:115:4313;
 Frederic L. Lawton, PO1:May 65:118:4313

MAUCH, SAMUEL P.

Dsc, ST1:Feb 65:329:4216, of "Buckling of a Prestressed Circular Ring", ST4:Aug 64:235:4018

MAUGHAN, W. DON

See Dallas E. Cole, IR4:Dec 65:120:4550
 See Wesley E. Steiner, IR4:Dec 65:78:4550

MAUZY, HARRIS K.

Bridge Costs in California, with William J. Yusavage, CE:May 64:50
 TR:130:133

MAVIS, FREDERICK T.

Dsc, with Norbert L. Ackermann, EM6:Dec 65:193:4549, of "Added Mass of a Sphere in a Bounded Viscous Fluid", EM4:Aug 65:147:4448

Dsc, HY2:Mar 65:400:4249, of "Analogue Procedure for Determination of Virtual Mass", HY5:Sept 64:69:4042

Dsc, ST2:Apr 65:212:4285, of "Direct Design of Framed Structures", ST6:Dec 64:243:4182

Dsc, ST2:Apr 65:203:4285, of "Parabolic Arches of Variable Thickness", ST6:Dec 64:65:4162

Dsc, ST2:Apr 65:202:4285, of "Steady-State Versus Run-Down Tests of Structures", ST6:Dec 64:51:4161

Dsc, ST2:Apr 65:205:4285, of "Three Moment Equation for Variable Depth Beams", ST6:Dec 64:149:4172

Dsc, EM1:Feb 65:178:4212, of "Viscous and Boundary Effects on Virtual Mass", EM4:Aug 64:123:4014

MAYER, RICHARD R.

Dsc, CE:Sep 65:74, of "Preserving Survey Monuments," CE:May 65:40

MAYER, RICHARD R. Continued

- Dsc, SU1:Apr 65:60:4280, of "Surveying and Mapping for Water Resource Planning", SU1: Apr 64:1:3855
 Dsc, SU1:Apr 65:68:4280, of "The Case of the Missing Curriculum", SU2:Jul 64:27:3963

MAYO, ROBERT S.

- Machine Tunneling in Chicago Clays, CE:Feb 64:60
 TR:130:160

MAZURKIEWICZ, ZBIGNIEW E.

- See Edward J. Krynicki, ST4:Aug 64:145:4010

MCCAIN, DEWEY M.

- Dsc, SM3:May 65:131:4308, of "Engineering Measurements for Port Allen Lock", SM5: Sep 64:221:4020

MCCARTY, JAMES C.

- See Robert P. Shubinski, HY5:Sep 65:33:4470

MCCLURE, GEORGE M.

- Analysis of Blast Effects on Pipelines, with Thomas J. Atterbury and Noah A. Frazier, PL2: Nov 64:25:4137
 TR:130:603

MCCONNELL, KENNETH G.

- Added Mass of a Sphere in a Bounded Viscous Fluid, with Donald F. Young, EM4:Aug 65:147: 4448
 Dsc: Frederick T. Mavis and Norbert L. Ackermann, EM6:Dec 65:193:4549
 Dsc, with D.F. Young, EM2:Apr 65:88:4286, of "Viscous and Boundary Effects on Virtual Mass", EM4:Aug 64:123:4014

MCCRAW, J. C.

- Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, CE:Nov 65:70

MCCUTCHEON, JOHN O.

- Dsc, with J.F. Dickie, ST5:Oct 65:369:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

MCDANIELS, LOUIS L.

- See John J. Vandertulip, IR2:Jun 65:76:4349

MCDERMOTT, J. W.

- See Laing Barden, SM6:Nov 65:1:4535

MCDONALD, DONALD

- Dsc, with John F. Ely, ST2:Apr 65:187:4285, of "Influence Functions for Beams on Elastic Foundations", ST4:Aug 64:63:4002

MCDONNELL, ARCHIE J.

- See Wilber A. Blain, SA4:Aug 65:57:4421

McFALL, ROBERT L.

- Dsc, HY2:Mar 65:409:4249, of "Development of Ground Water in Hawaii", HY6:Nov 64:185:4144

- Dsc, HY2:Mar 65:381:4249, of "Effecting Optimum Ground-Water Basin Management", HY4:Jul 64:97:3981

- Dsc, HY6:Nov 65:250:4527, of "Environmental Effects of Flood Plain Regulations", HY4:Jul 65: 59:4402

- Dsc, IR4:Dec 65:130:4550, of "Inflow Hydrographs from Large Unconfined Aquifers", IR2: Jun 65:21:4357

McGAUHEY, P. H.

- Folklore in Water Quality Standards, CE:Jun 65:70

McGUIRE, WILLIAM

- See Richard T. Douty, ST2:Apr 65:101:4298

McIVOR, IVOR K.

- Dynamic Stability of Axially Vibrating Columns, EM6:Dec 64:191:4177
 TR:130:714

McJUNKIN, FREDERICK E.

- Population Forecasting by Sanitary Engineers, SA4:Aug 64:31:3993
 Dsc: John M. Henderson, SA6:Dec 64:139: 4171; Harold T. Larsen, SA6:Dec 64:140:4171; Nikhileswar Sanval, SA2:Apr 65:98:4281
 Corr: SA3:Jun 65:123:4353
 TR:130:782

McKEE, KEITH E.

- Dsc, ST5:Oct 65:404:4498, of "Dynamic Structural Analysis with Short Time History", ST3:Jun 65:1:4352

McKINLAY, D. G.

- Dsc, HY2:Mar 65:369:4249, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1: 3959

McKINLEY, DONALD

- Field Observations of Structures Damaged by Settlement, SM5:Sep 64:249:4054
 Dsc: Gordon A. Fletcher, SM2:Mar 65:129: 4257

McKINNEY, ROSS E.

- Complete Mixing of Activated Sludge--Something for Nothing, CE:Sep 64:48
 TR:130:413

- Evaluation of Two Aerated Lagoons, with Henry H. Benjes, Jr., SA6:Dec 65:43:4589
 Ph.D. and P.E. in Civil Engineering Education, CE:Mar 65:48

- Dsc, SA5:Oct 65:79:4492, of "Compartmentalization of Aeration Tanks", SA3:Jun 65:45:4362
 Dsc, SA5:Oct 65:77:4492, of "Effect of Benthic Algae on Stream Dissolved Oxygen", SA3:Jun 65: 1:4345

- Dsc, SA5:Oct 65:82:4492, of "Role of Protozoa in the Diphasis Exertion of BOD", SA3:Jun 65: 63:4371

McMORRAN, J. BURCH

- Dsc, CO1:May 65:202:4309, of "Changed Conditions Clause in Construction Contracts", CO2: Sep 64:37:4035

McNAUGHTON, SIR GEORGE

Dsc, PP1:Jan 65:49:4186, of "Education for Sanitary Engineers", PP2:May 64:15:3894

McNEARY, SAMUEL S.

See Irwin Remson, HY1:Jan 65:55:4196

McPHEE, WALTER T.

Water Supply for Saigon, CE:Sep 65:59

MCRAE, J. L.

See W.G. Shockley, SM4:Jul 65:239:4394

MEANOR, JAMES B.

Dsc, CE:May 65:74, of Do You Know That item on Mississippi River water levels, CE:Mar 65:29

MEDEARIS, KENNETH

Energy Absorption of Structures Under Cyclic Loading, with D.H. Young, ST1:Feb 64:61:3791

Dsc: Robert D. Hanson, ST5:Oct 64:207:

4066; A.A. Eremin, ST5:Oct 64:211:4066

Clo: ST1:Feb 65:290:4216

TR:130:249

MEES, QUENTIN M.

See Fredrick C. Cooper, SA6:Dec 65:13:4557

MEHMEL, A.

Dsc, ST6:Dec 65:290:4547, of "Analysis Comparisons for Single Curved Shell Roofs", ST2:Apr 65:1:4282

MEISSNER, HAROLD G.

Incineration (Symposium)--Air Pollution from Incinerators, CE:Sep 64:40

TR:130:495

MENTE, LAWRENCE J.

Response of Elastic Cylinders to Plane Shear Waves, with Francis W. French, EM5:Oct 64:103:4083

Corr: EM4:Aug 65:192:4433

TR:130:681

MEYER, WALTER L.

Extending CPM for Multiform Project Time-Cost Curves, with Louis R. Shaffer, CO1:May 65:45:4319

MEYERHOF, GEORGE G.

Shallow Foundations, SM2:Mar 65:21:4271

Dsc: Clyde N. Baker, Jr., SM6:Nov 65:119:4525

Dsc, SM6:Nov 65:132:4525, of "Stability of Slopes in Anisotropic Soils", SM4:Jul 65:85:4405

MEYERS, V. JAMES

See John E. Goldberg, ST4:Aug 65:57:4438

MHATRE, RAMKRISHNA P.

See Tekal Vishwanath, ST6:Dec 65:239:4583

MICHAEL, HAROLD L.

Interdisciplinary Education for Urban Planning, PP1:Jan 64:29:3751

Dsc: James M. Abernathy, PP2:May 64:67:

3910; Felix A. Wallace, PP1:Jan 65:33:4186;

Sergei N. Grimm, PP1:Jan 65:34:4186

Clo: PP2:Sep 65:79:4454

TR:130:797

MIDDLETON, ERIC

Dsc, EM5:Oct 65:227:4495, of "A Method to Increase the Accuracy of Moire Method", EM1:Feb 65:137:4239

MIDO, KIYOSHI M.

See Robert Y.D. Chun, HY4:Jul 64:79:3965

MIDWINTER, JAMES

As a Contractor, Do You Carry Adequate Insurance? CE:Aug 64:64

TR:130:371

MILBRADT, K. P.

Dsc, ST5:Oct 65:360:4498, of "Wood Beams Prestressed with Bonded Tension Elements", ST1:Feb 65:103:4218

MILBURY, WILLIAM F.

Compartmentalization of Aeration Tanks, with Wesley O. Pipes and Robert B. Grieves, SA3:Jun 65:45:4362

Dsc: Ross E. McKinney, SA5:Oct 65:79:4492

MILEK, WILLIAM A.

See Fred A. Graves, CE:Nov 64:48

MILES, WALTER FRANK

Memoir of, TR:130:830

MILLER, CHARLES L.

The Scope of Civil Engineering, CE:Aug 64:73

TR:130:385

MILLER, EDMOND T.

Electronics in Surveying, CE:May 65:29

See Robert V. Whitman, SM4:Jul 64:57:3966

MILLER, HAROLD ELROY

Memoir of, TR:130:831

MILLER, JOHN S.

Prestressed-Concrete Water Line Laid near Fresno at Rate of 200 Ft Per Hour, CE:Apr 64:52

TR:130:195

MILLER, R. H.

Long Range Potential of VTOL Aircraft, AT2:Oct 65:13:4487

MILLER, RONALD E.

Forecasting Air Traffic, AT2:Oct 65:1:4486

MINSHALL, NEAL E.

New Type Weir Construction for Small Watersheds, with Ralph G. Spomer, IRI:Mar 65:11:4243

MIOA, LING S.

See James A. Liggett, HY6:Nov 65:99:4538

MIRAJGAOKER, A. G.

Natural Roughness Effects in Rigid Open Channels, with K.L.N. Charlu, HY5:Sep 63: 29:3630

Dsc: C.R. Neill, HY1:Jan 64:359:3783; R.N. Fenzl and J.R. Davis, HY3:May 64:351:3911; Dale F. Heermann and Norman A. Evans, HY3: May 64:359:3911

Clo: HY6:Nov 64:251:4130

TR:130:544

Dsc, with Abhai K. Jain, HY5:Sep 65:242:4464, of "Large-Scale Roughness in Open-Channel Flow", HY6:Nov 64:203:4145

MIRANDA, CONSTANCIO

Inelastic Lateral-Torsional Buckling of Beam Columns, with Morris Ojalvo, EM6:Dec 65:21: 4563

Dsc, ST4:Aug 65:221:4432, of "Inelastic Frame Buckling", ST6:Dec 64:105:4169

MISSIMER, HERTEL C.

Avoiding Utility Interference Underground, CE:Sep 65:36

MITCHELL, JAMES K.

Current Lunar Soil Research, SM3:May 64:53: 3898

Dsc: William D. Rust, SM6:Nov 64:245:4122
Clo: SM3:May 65:131:4308

TR:130:390

Permeability of Compacted Clay, with Don R. Hooper and Richard G. Campenella, SM4:Jul 65: 41:4392

Shearing Resistance of Soils as a Rate Process, SM1:Jan 64:29:3773

Dsc: J. MacNeill Turnbull, SM6:Nov 64:181: 4122; Charles C. Ladd, SM6:Nov 64:181:4122;

Ronald F. Scott, SM6:Nov 64:186:4122

Clo: SM3:May 65:106:4308

TR:130:369

MITCHELL, LEWIS R.

See Robert Y.D. Chun, HY4:Jul 64:79:3965

MOBAREK, ISMAIL EL-SAYED

Directional Spectra of Laboratory Wind Waves, WW3:Aug 65:91:4450

MOELLER, DADE W.

See Conrad P. Straub, SA6:Dec 64:25:4159

MONAHAN, CHARLES J.

Dsc, SM2:Mar 65:118:4257, of "Pressure Cell Observations--Garrison Dam Project", SM5: Sept 64:157:4023

MONFORTON, G. R.

Matrix Analysis of Semi-Rigidly Connected Frames, with T.S. Wu, ST6:Dec 63:13:3713

Dsc: F.P. Wiesinger, ST2:Apr 64:407:3886; A. Jennings, ST2:Apr 64:409:3886; J.M. Howe, ST3:Jun 64:407:3940; Robert W. Dannemann, ST4:Aug 64:287:4001

Clo: ST1:Feb 65:281:4216

TR:130:149

MONTAGU, A. M. R.

Dsc, IR4:Dec 65:129:4550, of "Irrigation in India: Past and Present", IR1:Mar 65:179:4277

MONTGOMERY, M. MEAD

Analysis of Sewage Treatment Systems by Simulation, with Walter R. Lynn, SA1:Feb 64: 73:3807

Dsc: Myron B. Fiering, SA4:Aug 64:105:4006

Clo: SA1:Feb 65:75:4213

TR:130:361

MOORE, CHESTER A.

Civil Engineering Education That Is, PP2: Sep 65:49:4478

MOORE, JOE T.

North Carolina--Controlling Leakage from Cowans Ford Dam, CE:Jun 65:52

MOORE, NORMAN R.

Dsc, WW4:Nov 65:64:4531, of "Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works", WW1:Feb 65:7:4236

MOORE, PETER J.

See Robert V. Whitman, SM4:Jul 64:57:3966

MOORE, WILLIAM W.

Golden Gateway--Foundation Design (Symposium), CE:Jan 64:33

TR:130:31

MOREL-SEYTOUX, HUBERT J.

Domain Variations in Channel Seepage Flow, HY2:Mar 64:55:3822

Clo: HY1:Jan 65:162:4192

TR:130:176

MORGALI, JAMES R.

Computer Analysis of Overland Flow, with Ray K. Linsley, HY3:May 65:81:4325

Dsc: James M. Wiggert, HY5:Sep 65:326: 4464; Robert M. Ragan, HY5:Sep 65:329:4464;

Michael K. Householder, HY5:Sep 65:331:4464;

Richard N. Fenzl, HY6:Nov 65:224:4527; James A. Liggett and David A. Woolhiser, HY6:

Nov 65:228:4527; Robert A. Grace, HY6:Nov 65: 233:4527; D.L. Brakensiek, HY6:Nov 65:234: 4527; George Terzidis and Theodore Strelkoff, HY6:Nov 65:236:4527

MORGAN, RUSSELL

Water Resources Planning for the Delaware Basin, HY5:Sep 65:65:4475

MORRIS, CHARLES CHESTER

Memoir of, TR:130:832

MORRIS, J. CARRELL

See Walter J. Weber, Jr., SA3:Jun 64:79:3952

MORRIS, JOHN W.

Dsc, PO1:May 65:129:4313, of "Contractor's View on Unlined Tunnels", PO3:Oct 64:91:4086

MORRIS, JOHN W. Continued

Dsc, PO1:May 65:123:4313, of "Unlined Tunnels of the Snowy Mountain Hydro-Electric Authority, Australia", PO3:Oct 64:47:4071

MORRIS, M. D.

Inventory Index Proposed for Testing Apparatus, CE:Jul 64:53

TR:130:331

Water for the World, with William E. Wood, James J. Geraghty, James Gould, Gordon R. Williams, Donald F. Othmer, Donald R. Lueder, Malcolm Pirnie, Jr., and Arthur C. Ford, SA1:Feb 65:1:4220

Dsc: C. Scott Clark and F. Pierce Linaweaver, Jr., SA3:Jun 65:135:4353

Dsc, CE:Apr 65:80, of "Engineering Education: (1) From the Educator's Viewpoint; (2) From the Practitioner's Viewpoint." CE:Feb 65:56

MORROW, COLE

Planning a National Airport System to Serve the 70's CE:Aug 65:62

MORSE, EVERETT D.

Control Traverses and Their Adjustment, SU2:Jun 63:39:3546

Dsc: Paul E. Wylie, SU3:Oct 63:225:3684; Lansing G. Simmons, SU3:Oct 63:226:3684; Curtis M. Brown, SU3:Oct 63:228:3684; Julius L. Speert, SU1:Apr 64:81:3885; Roland H. Moore and Lloyd E. Bentley, SU1:Apr 64:82:3885

Clo: SU1:Apr 65:54:4280

TR:130:181

Dsc, SU1:Apr 65:73:4280, of "Measuring Structural Behavior of Glen Canyon Dam", SU2:Jul 64:133:3987

MORSE, ROY W.

See John E. Arnberg, CE:Oct 64:46

MORTON, FRED I.

Potential Evaporation and River Basin Evaporation, HY6:Nov 65:67:4534

MOSES, FRED

Inelastic Frame Buckling, ST6:Dec 64:105:4169

Dsc: Yu-Chin Yen, ST4:Aug 65:218:4432; A.

A. Eremin, ST4:Aug 65:221:4432; C. Miranda, ST4:Aug 65:221:4432

Optimum Structural Design Using Linear Programming, ST6:Dec 64:89:4163

Dsc: Noel J. Gardner, ST2:Apr 65:205:4285;

Henry Chao, ST3:Jun 65:292:4346; Janusz Kowalik, ST4:Aug 65:214:4432; C. Allin Cornell and Kenneth F. Reinschmidt, ST4:Aug 65:215:4432

MOSES, GORDON

Dsc, ST5:Oct 65:372:4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4227

MOSURE, THOMAS F.

See Thomas D.Y. Fok, CE:Aug 64:78

MOUNTFORD, M. V.

See K.E. Seal, SA1:Feb 65:76:4213

MOYER, RALPH A.

Comprehensive Urban Transportation Study Methods, HW2:Dec 65:57:4575

MUELLER, IVAN I.

Vertical Gradient of Gravity, SU2:Jul 64:83:3975

TR:130:235

MUELLER, N. H. G.

Water Jet Pump, HY3:May 64:83:3908

Corr: HY2:Mar 65:330:4249

TR:130:311

MUIR, J. F.

Interest on Capital Invested in Construction, with Eugen Ruus, PO1:Sep 63:1:3622

Dsc: F.L. Lawton, PO1:Mar 64:95:3849;

Robert H. Griffin, PO2:Jul 64:21:3977

Clo: PO2:Jul 64:23:3977

TR:130:635

MULZET, ALFRED P.

See August J. Durelli, EM3:Jun 65:65:4367

MUNSE, WILLIAM H., JR.

See Eugene Chesson, Jr., ST5:Oct 65:155:4512

See Bruce G. Rogers, ST5:Oct 65:299:4519

MURA, TOSHIO

Limit Analysis of Circular Orthotropic Plates, with Jao-Shiun Kao and Seng-Lip Lee, EM5:Oct 64:375:4109

TR:130:607

MURALIDHAR, D.

See N. Rajaratnam, HY2:Mar 64:99:3828

See N. Rajaratnam, IR1:Mar 64:17:3819

MURAYAMA, SAKURO

Dsc, SM4:Jul 65:225:4394, of "Analysis of Clay Deformation as a Rate Process", SM6:Nov 64:125:4147

MURPHY, GLENN

See Donald F. Young, EM3:Jun 64:111:3938

MURPHY, W. D.

Machine Tunneling For Storm Sewer Under Houston, CE:Sep 64:44

TR:130:393

MURRAY, ROBERT I.

Dsc, HY1:Jan 65:194:4192, of "Hydrodynamic Analysis for High-Head Leaf Gates", HY3:May 64:155:3904

MARAIN, JAGDISH

Dsc, with Bhawani Singh, SM4:Jul 65:230:4394, of "Analysis of Clay Deformation as a Rate Process", SM6:Nov 64:125:4147

NATH, B.

See O.C. Zienkiewicz, HY5:Sep 64:69:4042

NAUDASCHER, EDUARD

Hydrodynamic Analysis for High-Head Leaf Gates, with Helmut E. Kobus and Ragam Panda R. Rao, HY3:May 64:155:3904
 Dsc: George A. Whetstone, HY5:Sep 64:293:4050; Robert I. Murray, HY1:Jan 65:194:4192; Norbert M. Gillissen and Carlos Quevedo, HY1:Jan 65:194:4192; K. Patrikat and T.E. Unny, HY1:Jan 65:200:4192
 Clo: HY4:Jul 65:282:4399
 TR:130:746
 Dsc, with Cesar Farell, HY2:Mar 65:320:4249, of "Form-Induced Hydraulic Forces on Three-Leaf Intake Gates", HY3:May 64:215:3905
 Dsc, HY3:May 65:389:4304, of "Nappe Oscillation", HY6:Nov 64:129:4138

NEALE, LAWRENCE C.

Flow Characteristics of PVC Sewer Pipe, with Robert E. Price, SA3:Jun 64:109:3955
 Dsc: Leland L. Sphar, SA5:Oct 64:69:4097; John J. Cassidy, SA6:Dec 64:133:4171; M.H. Diskin, SA6:Dec 64:134:4171; Kuan M. Yao, SA6:Dec 64:137:4171
 Clo: SA4:Aug 65:52:4421

NEBIKER, JOHN H.

Dsc, SA6:Dec 65:59:4546, of "Intensity of Radiation and Rate Sludge Drying", SA2:Apr 65:17:4295

NEILL, CHARLES R.

Dsc, WW3:Aug 65:156:4420, of "Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works", WW1:Feb 65:7:4236
 Dsc, HY6:Nov 65:247:4527, of "Critical Analysis of Open-Channel Resistance", HY4:Jul 65:1:4387
 Dsc, HY1:Jan 65:224:4192, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959
 Dsc, HY6:Nov 65:248:4527, of "Spurious Correlation in Hydraulics and Hydrology", HY4:Jul 65:35:4393

NELSON, JOHN D.

See Eben Vey, SM1:Jan 65:25:4199

NELSON, MARTIN E.

Navigation Locks: Filling and Emptying Systems for Locks, with Harvey J. Johnson, WW1:Feb 64:47:3789
 Dsc: Otakar W. Kabelac, WW4:Nov 64:167:4117
 Clo: WW2:May 65:42:4307
 TR:130:398

NEUBERT, V. H.

Lumping of Mass in Calculating Vibration Response, EM1:Feb 64:47:3801
 Dsc: Douglas H. Merkle, EM5:Oct 64:429:4093
 Clo: EM2:Apr 65:68:4286
 TR:130:219

NEUGOLD, HARRY, Jr.

Understanding and Controlling Corrosion, CE:Mar 65:57
 Dsc: R.E. Bald, CE:May 65:74

NEUMANN, DONALD L.

Mathematical Method for Blending Aggregates, CO2:Sep 64:1:4026
 Dsc: Carl Berwanger, CO1:May 65:192:4309

NEWMAN, GENE J.

See S. Chas. Dearstyne, AT1:Apr 63:1:3473

NEWMAN, MALCOLM

See Martin A. Goldberg, EM3:Jun 65:13:4356

NEWNAM, FRANK H.

See H.O. Fischer, CE:Sep 65:32

NEWNAN, DONALD G.

Designing Isolated Footings against Overturning, CE:Dec 65:70

NICHOLLS, ROBERT B.

How a Waterway Improvement Changed Environment, WW4:Nov 63:1:3690
 Dsc: Herbert D. Vogel, WW1:Feb 64:171:3814; Eric E. Bottoms, WW2:May 64:33:3917; Howard J. Mullaney, WW4:Nov 64:143:4117; William A. Riggs, WW4:Nov 64:144:4117
 Corr: WW3:Aug 65:139:4420
 TR:130:641

NICKELSBURG, ROBERT S.

Ground Control of Airport Traffic, AT2:Oct 64:123:4099
 TR:130:573

NIELSEN, N. NORBY

Steady-State Versus Run-Down Tests of Structures, ST6:Dec 64:51:4161
 Dsc: Frederic T. Mavis, ST2:Apr 65:202:4285; Merit P. White, ST3:Jun 65:291:4346; A.A. Eremin, ST4:Aug 65:209:4432; John A. Blume, ST4:Aug 65:210:4432

NIMR, AHMED EL

Seepage from Parallel Trapezoidal Channels, EM4:Aug 63:1:3582
 Dsc: Herman Bouwer, EM2:Apr 64:241:3882
 Clo: EM4:Aug 64:157:4000
 TR:130:127

NISSEL, NEIL

See William P. Vafakos, EM5:Oct 64:1:4062

NIYOMTHAI, CHALEO

See Norbert L. Ackermann, HY2:Mar 64:121:3829

NOEL, JIM S.

See Glen J. Hopkins, CE:Sep 65:39

NOORANY, I.

In-Situ Strength Characteristics of Soft Clays, with H. Bolton Seed, SM2:Mar 65:49:4274

NOORANY, I. Continued

Dsc: John H. Schmettmann, SM6:Nov 65:123:4525

NORCROSS, THEODORE WHITE

Memoir of, TR:130:833

NORDBY, GENE M.

Where Is Engineering Education Today? --from the Educator's Viewpoint, CE:Feb 65:56

NORDENSON, TOR J.

Dsc, HY2:Mar 65:394:4249, of "Estimating Evaporation from Insolation", HY5:Sept 64:33:4025

Dsc, PO1:May 65:109:4313, of "Estimating Forced Evaporation from Cooling Ponds", PO3:Oct 64:1:4061

NORDIN, CARL F. JR.

Study of Channel Erosion and Sediment Transport, HY4:Jul 64:173:3984

TR:130:277

Dsc, with James H. Algert, HY3:May 65:367:4304, of "Geometrical Properties of Sand-Waves", HY5:Sep 64:105:4055

NORDMARK, GLENN E.

Fatigue of Joints in Aluminum Alloy 6061-T6, with John W. Clark, ST6:Dec 64:35:4156

TR:130:744

NORMAN, J. D.

See Edward D. Schroeder, SA5:Oct 65:76:4492

NORRIS, P. J.

Dsc, PP1:Jan 65:56:4186, of "Education for Sanitary Engineers", PP2:May 64:15:3894

NYMAN, FRANK

Alaska--Plastic Insulation vs. Deep Trenching for Seldovia Water Mains, CE:Mar 65:40

OBERMAN, LEONARD S.

Functional Planning of Bulk Material Ports, WW2:May 65:17:4310

O'BRIEN, W. TERENCE

Cable Movements Under Two-Dimensional Loads, with Arthur J. Francis, ST3:Jun 64:89:3929

Dsc: Alan Jennings, ST1:Feb 65:307:4216

Clo: ST4:Aug 65:193:4432

TR:130:737

O'CONNELL, RICHARD L.

Effect of Benthic Algae on Stream Dissolved Oxygen, with Nelson A. Thomas, SA3:Jun 65:1:4345

Dsc: Ross E. McKinney, SA5:Oct 65:77:4492

O'CONNOR, DONALD J.

Estuarine Distribution of Nonconservative Substances, SA1:Feb 65:23:4225

Dsc: J.H. Allen and David I.H. Barr, SA5:Oct 65:69:4492; Robert V. Thomann, SA5:Oct 65:71:4492

O'DONNELL, TERENCE

See David R. Dawdy, HY4:Jul 65:123:4410

OERTEL, GERHARD

Slow Viscous Flow of an Incompressible Suspension, EM5:Oct 65:145:4517

OGROSKY, HAROLD O.

Hydrology of Spillway Design: Small Structures--Limited Data, HY3:May 64:295:3914

Dsc: Brian M. Reich, HY6:Nov 64:355:4130;

Gordon R. Williams, HY1:Jan 65:208:4192

Clo: HY3:May 65:319:4304

TR:130:367

OHANIAN, NORIK

See B.E. Gatewood, ST2:Apr 65:27:4291

O'HARA, G. J.

Numerical Method for Structural Shock Response, with Patrick F. Cuniff, EM2:Apr 64:51:3866

Corr: EM1:Feb 65:159:4212

TR:130:169

OJALVO, MORRIS

See Constancio Miranda, EM6:Dec 65:21:4563

See Jorge Y. Tamayo, ST1:Feb 65:141:4224

O'LEARY, DENNIS A.

Dsc, with Leonard Burtman, WW2:May 65:57:4307, of "Small Craft Harbors Development: Progress Report of the Task Committee on Small Craft Harbors, Committee on Ports and Harbors", ASCE, WW3:Aug 64:11:4016

OLKO, STEPHEN M.

Marinas and Yacht Clubs--Planning and Financing, CE:Jun 65:58

O'LOUGHLIN, E. M.

Dsc, with K.K. Rao, HY5:Sep 65:251:4464, of "Large-Scale Roughness in Open-Channel Flow", HY6:Nov 64:203:4145

OLSON, ROY E.

Pore Water Pressures in Unsaturated Soils, with Leonard J. Langfelder, SM4:Jul 65:127:4409

O'MARA, JOHN J.

Electronic Guidance for Highway Safety, CE:Oct 64:38

TR:130:519

O'MELIA, CHARLES R.

Dsc, SA2:Apr 65:92:4281 of "Theory of Water Filtration", SA4:Aug 64:1:3990

O'NEILL, IAN C.

Dsc, HY2:Mar 65:315:4249, of "Flow Measurement with a Suspension Wire", HY2:Mar 64:37:3821

Dsc, with Alan K. Parkin, HY2:Mar 65:388:4249, of "Turbulent Flow in Porous Media", HY5:Sep 64:1:4019

ORLOB, GERALD T.

Lost River System - A Water Quality Management Study, with Philip C. Woods, HY2:Mar 64: 1:3815

Clo: HY1:Jan 65:161:4192
TR:130:87

ORR, CHARLES I.

Florida--Liaison Insures Quality Control for Vehicle Assembly Building at Cape Kennedy, CE:Oct 65:56

OSBORN, J. F.

See A.F. Pillsbury, CE:Oct 64:67

OSWALD, WILLIAM J.

Closed Ecological Systems, with Clarence G. Golueke and D.O. Horning, SA4:Aug 65:23:4445

OTHMER, DONALD F.

See M.D. Morris, SA1:Feb 65:1:4220

OTTO, WILLIAM C.

See George B. Wallace, SM5:Sep 64:197:4047

PABARCIUS, ALGIS

See Kuang-Han Chu, EM5:Oct 64:221:4094

PAGAN, ALFRED R.

County Rain-Gage Network Useful in Design, with Ronald Rothenberg, CE:Apr 65:68

PAGANO, MICHELE

Dsc, with Carlo Catanzaro, ST5:Oct 65:391: 4498, of "Membrane Forces and Buckling in Reticulated Shells", ST1:Feb 65:173:4427

PALMER, ALFRED H.

Steel Fabrication Drawings by Computer, with Herbert T. Blomquist, CE:Feb 65:50
Dsc: Henry G. Hurd, CE:May 65:74; Author's reply, May 65:74

PALMER, ROBERT Q.

Dsc, WW3:Aug 65:153:4420, of "Placed-Stone" Jetty, Stone-Weight Coefficients", WW4:Nov 64: 77:4134

PAMA, RICARDO P.

See Anthony R. Cusens, ST5:Oct 65:255:4518

PANDULLO, FRANCIS

Ethics and Municipal Engineers in Private Practice, PP2:Sep 65:1:4455

PAPP, REMIG A.

Pier Extension and Repair at Tallmans Island Sewage Treatment Plant at College Point, CE: Jul 64:48

TR:130:306

PARCEL, JOHN I.

Honorary Member dies, CE:Jul 65:78

PARCHER, JAMES V.

Some Swelling Characteristics of Compacted Slays, with Ping-Chuan Lin, SM3:May 65:1:4316
Dsc: O. Clarke Mann, SM6:Nov 65:130:4525

PARISET, ERNEST

High Lift Locks: Some Hydraulic Problems and Solutions, with André Gagnon, WW4:Nov 64: 55:4131

Dsc: Paul Wisner and Teodor Stoicescu, WW3:Aug 65:151:4420

PARKER, LEWIS E.

Highway Plans from Photogrammetrically-Compiled Maps, SU1:Apr 64:31:3859

Dsc: Daniel Kennedy, SU1:Apr 65:63:4280

PARKHURST, JOHN D.

Progress in Waste Water Re-Use in Southern California, IR1:Mar 65:79:4253

Dsc: Max Bookman, IR4:Dec 65:95:4550;

Asit K. Biswas, IR4:Dec 65:97:4550

Whittier Narrows Water Reclamation Plant, With Walter E. Garrison, CE:Sep 64:60

TR:130:499

PARKIN, ALAN K.

See Ian C. O'Neill, HY2:Mar 65:388:4249

PARME, ALFRED L.

Parabolic Arches of Variable Thickness, with Eugene P. Holland, ST6:Dec 64:65:4162

Dsc: Frederic T. Mavis, ST2:Apr 65:203:4285

Clo: ST4:Aug 65:213:4432

TR:130:779

PARMELEE, RICHARD A.

See Joseph Penzien, EM3:Jun 64:223:3953

PARNES, RAYMOND

See Morton B. Friedman, EM3:Jun 65:189:4377

PARSONS, DONALD A.

Cellular Concrete Block Revetment, with Robert P. Apmann, WW2:May 65:27:4311

Dsc: John R. Hyland, WW4:Nov 65:80:4531

Cellular Concrete Block Revetment, with R.P. Apmann, CE:Feb 65:66

PARTHENIADES, EMMANUEL

Erosion and Deposition of Cohesive Soils, HY1: Jan 65:105:4204

Dsc: A.G. Altschaeffl, HY5:Sep 65:301:4464;

Bent A. Christensen, HY5:Sep 65:301:4464

PATEL, V. J.

Mechanics of Inclined Filters in Earth Dams, with A. V. Gopala Krishnayya and K. L. Arora, SM2:Mar 64:87:3840

Dsc: H.Y. Hammad, SM6:Nov 64:213:4122;

Asit K. Biswas, SM6:Nov 64:216:4122; Petar

Anagnosti, SM6:Nov 64:217:4122; V. N. S.

Murthy and N. Babu Shankar, SM6:Nov 64:

218:4122

Clo: SM3:May 65:124:4308

TR:130:457

PATTERSON, CALVIN C.

Dispersion Measurement in Open Channels,
with Earnest F. Gloyna, SA3:Jun 65:17:4347

PATTON, DENVER S., JR.

Hydraulic Testing of the 24-in. Leidy Line,
PL2:Nov 64:15:4132
Dsc: Arthur B. Wilder, PL1:Jul 65:82:4397

PAY, WENSHANG

Dsc, HY5:Sep 65:192:4464, of "Mathematical
Model for Flood Risk Evaluation", HY6:Nov 64:
1:4119

PAYNE, HOWARD L.

Can the Civil Engineer be a Manager?,
CE:Jul 64:51

Dsc: R.B. Sheaffer, CE:Sep 64:69; H.L.
Thackwell, CE: Oct 64:66; Douglas L. Jonas,
CE:Jan 65: 84
TR:130:293
Ultimate Strength Design for Highway Bridges,
with Lamar H. Caldwell, ST5:Oct 65:43:4499

PEARSON, A. S.

Lightweight Aggregate Prepared from Fly Ash
by Consolidated Edison in N.Y.C., CE:Sep 64:
50
TR:130:411

PECK, RALPH B.

Foundation Behavior of Iron Ore Storage
Yards, with Tonis Raamot, SM3:May 64:85:3902
Dsc: Melvin I. Esrig, SM6:Nov 64:247:4122;
William S. Housel, SM1:Jan 65:196:4197
Clo: SM4:Jul 65:193:4394
TR:130:783

Pile and Pier Foundations, SM2:Mar 65:33:4273
Dsc: Michael Praszker, SM5:Sep 65:124:4457;
R.F. Bartholomew and N.E. Simons, SM6:
Nov 65:122:4525

PECKWORTH, HOWARD F.

Gravity Flow Reinforced Concrete Pipe
Design, with John G. Hendrickson, PL1:Jan
64:33:3771
Dsc: Frederick C. Zeigler, PL2:Nov 64:73:
4120; John H. Scarino, PL2:Nov 64:75:4120
Clo: PL1:Jul 65:78:4397
TR:130:584

PEDRO, J. OLIVEIRA

See J. Laginha Serafim, ST2:Apr 65:15:4284

PELISHEK, R. E.

See A.F. Pillsbury, CE:Oct 64:67

PEMBERTON, ERNEST L.

Sediment Investigations—Middle Rio Grande,
HY2:Mar 64:163:3833
Dsc: C.R. Neill, HY4:Jul 64:391:3980; C.F.
Nordin, Jr., HY5:Sep 64:273:4050
Clo: HY2:Mar 65:319:4249
TR:130:187

PENNY, ROYSTON K.

Dsc, EM2:Apr 65:91:4286, of "Finite Element
Solution for Axisymmetrical Shells", EM5:
Oct 64:119:4085

PENZIEN, JOSEPH

Seismic Analysis of Bridges on Long Piles,
with Charles F. Scheffey and Richard A.
Parmelee, EM3:Jun 64:223:3953
TR:130:321
See Egor P. Popov, EM5:Oct 64:119:4085

PERDIKIS, HARRY S.

Dsc, WW2:May 65:58:4307, of "Placed-Stone"
Jetty, Stone Weight Coefficients", WW4:Nov 64:
77:4134

PERPICH, WILLIAM M.

Dsc, with Robert G. Lukas, SM3:May 65:141:
4308, of "Differential Settlement at Selfridge
Air Force Base", SM5:Sep 64:197:4047

PERRONE, NICHOLAS

Calculating Deflections of a Partially Col-
lapsed Frame, with Michael C. Soteriades,
EM1:Feb 65:1:4214
Dsc: German Gurfinkel, EM4:Aug 65:210:
4433; Vitelmo V. Bertero, EM5:Oct 65:218:4495

PERROTT, WILLIAM E.

British Grouting Practice on Granular Ma-
terials, SM6:Nov 65:57:4542

PETERS, JOHN

Stabilization of Sand Dunes at Vandenberg Air
Force Base, with Joe Sciandrone, SM4:Jul 64:
97:3976
TR:130:344

PETERSEN, MARGARET S.

Hydraulic Aspects of Arkansas River Stabili-
zation, WW4:Nov 63:29:3699
Dsc: Walter C. Carey, WW1:Feb 64:173:
3814; Shu-t'ien Li, WW2:May 64:35:3917;
Harvill E. Weller, WW2:May 64:37:3917;
Sam Shulits, WW4:Nov 64:147:4117
Clo: WW3:Aug 65:139:4420
TR:130:625

PETERSEN, REED J.

Dsc, CE:Jul 65:76, on report of ASCE Mobile
Water Resources Conference, CE:Apr 65:50

PETERSON, BEN LEO

Memoir of, TR:130:834

PETERSON, JOHN

Wood Beams Prestressed with Bonded Tension
Elements, ST1:Feb 65:103:4218
Dsc: William R. Ganser, Jr., ST4:Aug 65:
251:4432; James H. Carr, Jr., ST4:Aug 65:
252:4432; K.P. Milbradt, ST5:Oct 65:360:4498

PETRIKAT, K.

Dsc, with T.E. Unny, HY1:Jan 65:200:4192,
of "Hydrodynamics Analysis for High-Head
Leaf Gates", HY3:May 64:155:3904

PETRIKAT, K. Continued

Dsc, with T.E. Unny, HY5:Sep 65:223:4464,
of "Nappe Oscillation", HY6:Nov 64:129:4138

PETROFSKY, ALFRED M.

Contractor's View on Unlined Tunnels, PO3:
Oct 64:91:4086

Dsc: Frederic L. Lawton, PO1:May 65:128:
4313, John W. Morris, PO1:May 65:129:4313

PEURIFOY, R. L.

Electric Controls for Laying Smooth Pavements, CE:Sep 65:56

Lateral Pressure of Concrete on Formwork, CE:Dec 65:60

PFRANG, EDWARD O.

Behavior of Restrained Reinforced Concrete Columns, with Chester P. Siess, ST3:Oct 64: 113:4111

Dsc: James G. McGregor, ST3:Jun 65:281:

Predicting Structural Behavior Analytically,

with Chester P. Siess, ST5:Oct 64:99:4110

Dsc: Al P. Kabaila, ST3:Jun 65:280:4346

PHALEN, THOMAS E., JR.

Dsc, SM2:Mar 65:120:4257, of "Settlement of Buildings on the MIT Campus", SM5:Sept 64: 181:4038

PHELAN, JOHN T.

See Tyler H. Quackenbush, IR2:Jun 65:11:4350

PHILLIPS, KENNETH N.

Dsc, HY5:Sep 65:220:4464, of "Hyperconcentrations of Suspended Sediment", HY6:Nov 64: 117:4136

PIERCE, JACK W.

Economic Aspects of Mitigating Pipeline Corrosion: Committee on Pipeline Planning of the Pipeline Division, ASCE, PL1:Jan 64:89: 3779

Dsc: Harold H. Heidrick, PL2:Nov 64:77:4120
Clo: PL1:Jul 65:79:4397

PIERSON, WILLARD J., JR.

Irregular Wave Forces on a Pile, with Patrick Holmes, WW4:Nov 65:1:4528

PILLAI, NARAYANA N.

Shapes for Appurtenances in Stilling Basins, with T.E. Unny, HY3:May 64:1:3888

Dsc: N.S. Lakshmana Rao, HY6:Nov 64:343: 4130; Adarsh Swaroop, HY6:Nov 64:344:4130; H.S. Nagabhushanaiah and N. Vital, HY6:No 64:345:4130; Glenn L. Beichley, HY1:Jan 65: 164:4192; N. Rajaratnam, HY1:Jan 65:165:4192
Clo: HY5:Sep 65:135:4464
TR:130:643

PILLSBURY, ARTHUR F.

An Experiment on Flow Through Smooth Tile Joints, with E.H. Taylor, R.W. Pelishek, and J.F. Osborn, CE:Oct 64:67
TR:130:455

Tile Drainage Performance, Coachella Valley, California, with J.R. Spencer, William R. Johnston, and L.O. Weeks, IR2:Jun 65:1:4344

PINCUS, HOWARD J.

Retreat of Lakeshore Bluffs, WW1:Feb 64: 115:3809

TR:130:343

PINELLO, NICK

Colorado--70-ft Underpass of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, CE:Nov 65:84

PINKERTON, IVOR L.

Tumut 2 Underground Power Plant, with Eric J. Gibson, PO1:Mar 64:33:3835

Dsc: F.L. Lawton, PO2:Jul 64:31:3977; William H. Wolf, PO3:Oct 64:135:4063; H.H. Thomas and H.C.V. Woollard, PO3:Oct 64: 136:4063; Fred E. Cornwell, PO3:Oct 64:144: 4063; Bruce R. Laverty, PO3:Oct 64:145:4063; M. St. Vasilescu, PO1:May 65:106:4313

PIPER, ROBERT J.

Dsc, CO1:May 65:201:4309, of "Changed Conditions Clause in Construction Contracts", CO2: Sep 64:37:4035

PIPES, WESLEY O.

See William F. Milbury, SA3:Jun 65:45:4362

PIRNIE, MALCOLM, JR.

See M.D. Morris, SA1:Feb 65:1:4220

PITTELKO, HARVEY P.

Vertical Forces in the Alaska Earthquake of March 1964, CE:Jan 65:56

Dsc: Harold C. Smith, CE:Mar 65:62

PLANTEMA, IR G.

The Netherlands--Rotterdam's Rapid Transit Tunnel, CE:Aug 65:34

PLATE, ERICH J.

Dsc, HY5:Sep 65:322:4464, of "Wind Driven Water Currents", HY2:Mar 65:205:4270

PLOWMAN, E. GROSVENOR

Dsc, HW2:Dec 65:137:4548, of "Financing Future Intercity Transportation Systems", HW1: Jan 65:1:4187

POIROT, JAMES W.

Alaska--Utilities for a Relocated Town in Valdez, CE:Mar 65:50

POPE, WENDELL L.

See Lyman S. Willardson, IR3:Sept 63:77:3638

POPOV, EGOR P.

Finite Element Solution for Axisymmetrical Shells, with Joseph Penzien and Zung-An Lu, EM5:Oct 64:119:4085

Dsc: Royston K. Penny, EM2:Apr 65:91:4286; Sing-chih Tang, EM2:Apr 65:92:4286; Robert Lipp, EM3:Jun 65:262:4348; Stanley Klein,

POPOV, EGOR P. Continued

EM3:Jun 65:264:4348

Cio: EM6:Dec 65:178:4549

Shakedown Analyses of Some Typical One-story Bents, with Eric Becker, ST5:Oct 64:1:4069

Dsc: A. A. Eremin, ST3:Jun 65:278:4346

See Vitelmo V. Bertero, ST1:Feb 65:1:4217

POPPINO, ALLEN G.

Dsc, Nov 65:99, comment on ASCE leadership in quality control

POSEY, CHESLEY J.

Are Flood-Plain Regulations Sound?,

CE:Jun 65:68

Scour at Bridge Piers: Protection of Threatened Piers, CE:May 63:48

Dsc: C. R. Neill, CE:Aug 63:63; A. R. Archer, Nov 63:72; reply, L. Stabillini, Aug 63:63; reply, C. J. Posey, Jan 64:59

Dsc, HY2:Mar 65:371:4249, of "Characteristics of the Backwater Curve", HY4:Jul 64:39:3964

Dsc, HY5:Sep 65:199:4464, of "Errors in Piezometric Measurement", HY6:Nov 64:45:4126

Dsc, HY1:Jan 65:210:4192, of "Hydrology of Spillway Design: Large Structures--Adequate Data", HY3:May 64:239:3915

POWELL, GRAHAM H.

Comparison of Simplified Theories for Folded Plates, ST6:Dec 65:1:4552

Dsc, ST2:Apr 65:166:4285, of "Direct Stiffness Solution for Folded Plates", ST4:Aug 64:15:3994

POWELL, RALPH W.

Dsc, HY5:Sep 65:297:4464, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202

POWELL, SAMUEL B.

See Harold A. Kidby, WW4:Nov 64:77:4134

PRAEGER, RICHARD Q.

See W. O. Hiltabidle, Jr., CO1:May 65:141:4340

PRAKASH, SHAMSHER

Dsc, with S. L. Agarwal, SM1:Jan 65:210:4197, of "Lateral Resistance of Piles on Cohesionless Soils", SM3:May 64:123:3909

PRASZKER, MICHAEL

Dsc, SM5:Sep 65:124:4457, of "Pile and Pier Foundations", SM2:Mar 65:33:4273

PRAWEL, SHERWOOD P., JR.

Biaxial Flexure of Columns by Analog Computers, with George C. Lee, EM1:Feb 64:83:3805

Dsc: Ryszard Dabrowski, EM4:Aug 64:185:4000

Cio: EM1:Feb 65:157:4212

TR:130:185

Dsc, EM6:Dec 65:187:4549, of "Analog Computer Analysis of Static Beams", EM2:Apr 65:47:4303

PREISS, KENNETH

Dsc, HY5:Sep 65:193:4464, of "Use of Neutron Meters in Soil Moisture Measurement: Progress Report of the Task Force on Use of Neutron Meters", HY6:Nov 64:21:4123

PRENTICE, WILLARD J.

Dsc, CE:Dec 65:72, on Do You Know That item on 11 engineers in Congress, CE:Oct 65:42

PRICE, JAMES T.

Flow-Induced Vibrations--Experience of TVA with Hydraulic and Other Structures, CE:Apr 65:61

See Rex A. Elder, WW1:Feb 64:31:3788

PRICE, ROBERT E.

See Lawrence C. Neale, SA3:Jun 64:109:3955

PRICKETT, THOMAS A.

See William C. Walton, HY6:Nov 63:67:3695

PRACTOR, CHARLES M.

Life Support Requirements for Space Missions, SA2:Apr 65:1:4288

PRUCHA, ARNOLD A.

See Herbert B. Foster, Jr., SA6:Dec 65:1:4556

PRUS-CHACINSKI, T. M.

Dsc, HY2:Mar 65:363:4249, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

PRYOR, WILLIAM T.

Surveying and Mapping and Environmental Engineering, SU2:Jul 64:1:3961

TR:130:631

PSCHUNDER, RALPH J.

Tilt and Deflections of Tapered Polygonal Towers, ST3:Jun 65:151:4373

PULLING, RONALD W.

Financing Future Intercity Transportation Systems, HW1:Jan 65:1:4187

Dsc: E. Grosvenor Plowman, HW2:Dec 65:137:4548; Henry F. Ball, HW2:Dec 65:138:4548 Intercity Travel Characteristics, AT1:Apr 65:1:4296

PULMANO, VICTOR A.

Prismatic Shells with Intermediate Columns, with Seng-Lip Lee, ST6:Dec 65:215:4578

See Seng Lip Lee, ST1:Feb 65:253:4238

QUACKENBUSH, TYLER H.

Irrigation Water Requirements of Lawns, with John T. Phelan, IR2:Jun 65:11:4350

Dsc, IR1:Mar 65:215:4242, of "Effective Rainfall and Irrigation Water Requirements", IR2:Jun 64:33:3920

QUEVENDO, CARLOS

See Norbert M. Gillissen, HY1:Jan 65:194:4192

- QUICK, MICHAEL C.**
River Flood Flows, Forecasts and Probabilities, HY3:May 65:1:4312
- QUINBY, HENRY D.**
Planning Public Mass Transportation, HW1:Jan 65:15:4190
Dsc: Carlton C. Robinson, HW2:Dec 65:139:4548; Rex M. Whittton, HW2:Dec 65:141:4548
- QUIRIN, EDWARD J.**
The American Consulting Engineer Abroad, CE:Mar 65:45; Apr 65:54; May 65:60
- QUIRKO, LINO**
Generalization of Hardy Cross Method, ST5:Oct 65:57:4502
- QUON, JIMMIE E.**
Intensity of Radiation and Rate Sludge Drying, with Thomas A. Tamblyn, SA2:Apr 65:17:4295
Dsc: John H. Nebiker, SA6:Dec 65:59:4546
Simulation and Analyses of a Refuse Collection System, with Abraham Charnes and Stephen J. Wersan, SA5:Oct 65:17:4491
- QURESHI, MOHD ALI**
See Thomas Blench, HY2:Mar 64:81:3826
- RAAB, ROBERT A.**
See Gerald Sturman, ST6:Dec 65:291:4547
- RAAMOT, TONIS**
See Ralph B. Peck, SM3:May 64:85:3902
- RAFFEL, DAVID N.**
Dsc, HY6:Nov 65:214:4527, of "Spillway Discharge Coefficient for Rock Island", HY3:May 65:19:4320
- RAGAN, ROBERT M.**
Dsc, HY5:Sep 65:329:4464, of "Computer Analysis of Overland Flow", HY3:May 65:81:4325
- RAGHUNATHAN, S.**
Dsc, with Subir Kar, HY6:Nov 65:213:4527, of "Hydraulic Design of Pump Intakes", HY2:Mar 65:223:4276
- RAICHLEN, FREDERIC**
Wave-Induced Oscillations in Harbors, with Arthur T. Ippen, HY2:Mar 65:1:4241
- RAINER, JOHANN H.**
See Alfredo H.-S. Ang, EM2:Apr 64:195:3878
- RAJARATNAM, N.**
End Depth for Circular Channels, with D. Muralidhar, HY2:Mar 64:99:3828
Dsc: Praxitelis A. Argyropoulos, HY5:Sep 64:261:4050; R. M. Advani, HY5:Sep 64:263:4050; Hans J. Leutheusser, HY5:Sep 64:266:4050; Frank B. Campbell and Peter M. Smith, HY5:Sep 64:266:4050; M. H. Diskin, HY6:Nov 64:293:4130
Clo: HY3:May 65:281:4304
TR:130:407
- End Depth for Exponential Channels, with D. Muralidhar, IR1:Mar 64:17:3819
Dsc: R. M. Advani, IR1:Mar 65:207:4242; M. H. Diskin, IR1:Mar 65:210:4242
Clo: IR3:Sep 65:83:4453
TR:130:765
Submerged Hydraulic Jump, HY4:Jul 65:71:4403
The Hydraulic Jump as a Wall Jet, HY5:Sep 65:107:4482
Dsc, HY5:Sep 65:200:4464, of "Errors in Piezometric Measurement", HY6:Nov 64:45:4126
Dsc, HY1:Jan 65:165:4192, of "Shapes for Apertures in Stilling Basins", HY3:May 64:1:3888
- RAJU, RANGA K.G.**
See R. J. Garde, HY6:Nov 63:153:3705
- RAMAMOORTHY, M. V.**
See Ramprasad, HY6:Nov 65:181:4527
- RAMASESHAN, S.**
See Ven Te Chow, HY4:Jul 65:205:4416
- RAMBOW, CARL A.**
Dsc, SA3:Jun 65:128:4353, of "Estuarine Water Quality Management and Forecasting", SA5:Oct 64:9:4116
- RAMPRASAD**
Dsc, with M. V. Ramamoorthy, HY6:Nov 65:181:4527, of "Hydraulic Performance Comparison of Centrifugal Pumps", HY2:Mar 65:73:4255
- RAMSAYER, KARL**
Dsc, SU2:Sep 65:68:4462, of "Vertical Control on the Great Lakes", SU1:Apr 65:35:4289
- RAMSEIER, ROY E.**
Low Pressure Air Test for Sanitary Sewers, with George C. Riek, SA2:Apr 64:1:3883
Dsc: Paul C. Soltow, Jr., SA5:Oct 64:65:4097; James E. McCarty, SA5:Oct 64:66:4097; Richard E. Hall, SA5:Oct 64:67:4097; K. E. Seal, M. V. Montford, and R. R. Allan, SA1:Feb 65:76:4213
Clo: SA4:Aug 65:49:4421
TR:130:677
- RAND, WALTER**
Flow Over a Vertical Sill in an Open Channel, HY4:Jul 65:97:4408
- RANIERI, JOSEPH J.**
See William J. Gleason, Jr., CO1:Mar 64:27:3832
- RAO, K. S. SUBBA**
Dsc, ST2:Apr 65:197:4285, of "Ultimate Strength of Reinforced Concrete Flat Slabs", ST4:Aug 64:205:4013
- RAO, KOTHA K.**
Dsc, with Sedat Sami, HY3:May 65:379:4304, of "Errors in Piezometric Measurement", HY6:Nov 64:45:4126
See E. M. O'Loughlin, HY5:Sep 65:251:4464

RAO, RAGAM PANDA R.

See Eduard Naudascher, HY3:May 64:155:3904

RAO, V. VENKATASUBBA

Dsc, SM5:Sep 65:109:4457, of "Earthquake Stability of Slopes of Cohesionless Soils", SM6: Nov 64:43:4128

RASHID, YUSEF

See Ray W. Clough, EM1:Feb 65:71:4229

RATNAM, M. V.

See Bengt B. Broms, SM6:Nov 63:1:3691

RAUDKIVI, A. J.

Measurement of Ruffled Water Surface Elevation, HY2:Mar 65:65:4254

Study of Sediment Ripple Formation, HY6:Nov 63:15:3692

Dsc: Thomas Carmody, HY2:Mar 64:397;

3853, E. M. O'Loughlin, HY4:Jul 64:279:3980;

K. G. Ranga Raju and R. J. Garde, HY4:Jul 64:

280:3980; Fuat Sentürk, HY4:Jul 64:284:3980;

Albert G. Mercer, HY4:Jul 64:289:3980; Omar

H. Shemdin and Philip A. Drinker, HY4:Jul 64:

293:3980

Clo: HY1:Jan 65:143:4192

TR:130:110

Dsc, HY6:Nov 65:193:4527, of "Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual", HY2:Mar 65:251:4260

RAWLINGS, BARRY

Dynamic Changes of Mode in Rigid-Plastic Structures, EM2:Apr 65:1:4283

Dynamic Plastic Analysis of Steel Frames, ST3:Jun 64:265:3954

Dsc: A. A. Eremin, ST1:Feb 55:316:4216

Clo: ST4:Aug 65:198:4432

TR:130:649

RAY, GORDON K.

History and Development of Concrete Pavement Design, HW1:Jan 64:79:3769

Corr: HW1:Jan 65:71:4185

TR:130:91

REAMS, CHATHAM COFFEE

Memoir of, TR:130:835

REBHUN, M.

Evaluation of Hydraulic Efficiency of Sedimentation Basins, with Y. Argaman, SA5:Oct 65:37: 4523

RECHARD, PAUL A.

Determining Bank Storage of Lake Mead, IR1: Mar 65:141:4268

Dsc: H. C. Riggs, IR3:Sep 65:99:4453; Jack E.

Kelly, IR4:Dec 65:112:4550; Raymond A. Hill,

IR4:Dec 65:115:4550; Dallas E. Cole and W.

Don Maughan, IR4:Dec 65:120:4550

Dsc, HY5:Sep 65:299:4464, of "Weather Modifications", HY1:Jan 65:93:4203

REDDY, DRONNADULA V.

See Michael J. Forrestal, EM3:Jun 65:1:4354

REDDY, M. N.

See Jan J. Tuma, ST2:Apr 65:207:4285

REDDY, Y. R.

Dsc, with Subir Kar, HY6:Nov 65:172:4527, of "Hydraulic Performance Comparison of Centrifugal Pumps", HY2:Mar 65:73:4255

REDSHAW, SEYMOUR C.

Dsc, IR1:Mar 65:218:4242, of "Auxiliary Potential Function for Seepage", IR2:Jun 64:21:3930

REDUS, J. FRANK

Dsc, AT1:Apr 65:71:4279, of "Construction Practice for Rigid Pavement: Report of the Subcommittee on Construction of the Committee on Airfield Pavement", ASCE, AT1:May 64:41: 3906

REED, MARSHALL F., JR.

Meeting Future Surface Transportation Needs, HW2:Dec 65:27:4571

REESE, JOSEPH L., JR.

See Paul W. Forehand, SM2:Mar 64:1:3820

REESE, LYMON C.

Dsc, ST3:Jun 65:277:4346, of "Influence Functions for Beams on Elastic Foundations", ST4:Aug 64:63:4002

REEVE, R. C.**REHMAN, A.**

See E. J. Doering, IR4:Dec 65:59:4588

See Mushtaq Ahmad, HY2:Mar 65:354:4249

REICH, BRIAN M.

Tacitly Maximized Small Watershed Flood Estimates, with Lourens A. V. Hiemstra, HY3: May 65:217:4339

REILLY, PETER

See Herbert Rothman, ST3:Jun 64:125:3933

REINSCHMIDT, KENNETH F.

See C. Allin Cornell, ST4:Aug 65:215:4432

See William A. Little, CE:Aug 65:71

REISS, MAX

Analysis of Short Folded Plates, with Michael Yitzhak, ST5:Oct 65:233:4516

REITZ, HENRY M.

Foundations on Fissured Limestone--How They Were Selected, CE:Sep 65:52

REMILLIEUX, M.

See J. Chabert, WW4:Nov 65:70:4531

REMSON, IRWIN

Ground-Water Models Solved by Digital Computer, with Charles A. Appel and Raymond A. Webster, HY3:May 65:133:4330

- REMSON, IRWIN** Continued
Vertical Drainage of an Unsaturated Soil, with
Ronald L. Drake, Samuel S. McNeary, and
Edward M. Wallo, HY1:Jan 65:55:4196
Corr: HY4:Jul 65:296:4399
Dsc: Wilfried Brutsaert, HY5:Sep 65:280:4464
- RENEKER, W. DANIEL**
Flexural Fatigue Tests of Prestressed Steel
I-Beams, with Carl E. Ekberg, Jr., ST2:Apr
64:131:3868
Dsc: John W. Fisher and Ben T. Yen, ST4:
Aug 64:341:4001; Robert M. Barnoff and Gary
G. Borden, ST6:Dec 64:341:4157
Clo: ST3:Jun 65:271:4346
TR:130:561
- RETI, G. A.**
Slope Stabilized by Anchored Retaining Wall,
CE:Apr 64:49
TR:130:216
- REUSS, RALPH F.**
Dsc, AT1:Apr 65:68:4279, of "Rigid and Stiff
Airport Paving", AT1:May 64:17:3893
- REYNOLDS, WILLIAM N.**
See William E. Hart, IR2:Jun 65:80:4349
- RHODY, FRANCIS J.**
Aircraft Arresting System, AT2:Oct 65:45:4493
Runway Traction, AT2:Oct 65:51:4494
- RIBBLE, GEORGE E.**
Graphical Method for Discounting Future
Benefits in Feasibility Studies, CE:Nov 65:86
- RICE, E. F.**
The Alaska Earthquake—Effect on Buildings,
CE:May 64:52
Dsc, James L. Stratta, CE:Aug 64:79;
author's reply, Aug 64:79
TR:130:223
- RICHARD, RALPH M.**
Analysis of Nonlinear Structures: Force
Method, with John E. Goldberg, ST6:Dec 65:
33:4553
- RICHARDS, ROWLAND, JR.**
Dsc, SM5:Sep 65:122:4457, of "Precom-
pression for Support of Shallow Foundations",
SM2:Mar 65:5:4267
- RICHARDSON, EVERETT V.**
Dsc, with T.F. Hanly, HY5:Sep 65:215:4464, of
"Hyperconcentrations of Suspended Sediment",
HY6:Nov 64:117:4136
See Avery A. Bishop, HY2:Mar 65:175:4266
See Frederick C. Stepanich, WW2:May 64:1:
3895
- RICHARDSON, GEORGE C.**
Navigation Locks: Navigation Lock Gates and
Valves, WW1:Feb 64:79:3799
Dsc: Robert E. Hickson, WW4:Nov 64:173:
4117
- Clo: WW2:May 65:48:4307
TR:130:394
- RICHARDSON, JOE T.**
Measuring Structural Behavior of Glen Canyon
Dam, SU2:Jul 64:133:3987
Dsc: Everett D. Morse, SU1:Apr 65:73:4280;
Louis H. Roehm, SU1:Apr 65:74:4280
- RICHART, F. E., JR.**
See John R. Hall, Jr., SM6:Nov 63:27:3698
- RICKLES, R. N.**
Dsc, with D.S. Davies, SA1:Feb 65:91:4213, of
"Equilibria and Capacities for Adsorption on
Carbon", SA3:Jun 64:79:3952
- RIEK, GEORGE C.**
See Roy E. Ramseier, SA2:Apr 64:1:3883
- RIGGS, HENRY C.**
Dsc, HY2:Mar 65:396:4249, of "Aerial Vari-
ations of Mean Annual Runoff", HY5:Sept 64:61:
4030
Dsc, IR3:Sep 65:99:4453, of "Determining
Bank Storage of Lake Mead", IR1:Mar 65:141:
Dsc, with Donald M. Thomas, HY5:Sep 65:190:
4464, of "Mathematical Model for Flood Risk
Evaluation", HY6:Nov 64:1:4119
- RIHM, ALEXANDER**
Air Pollution Control in New York State,
CE:Feb 64:56
TR:130:89
- RILEY, WALTER E.**
Post-Tensioned Shallow Foundations of Shells for
Syracuse Schools, CE:Jul 64:6:
TR:130:421
- RILEY, WILLIAM F.**
Stresses at Tunnel Intersections, EM2:Apr 64:
167:3875
Dsc: Ramkrishna Agarwal, EM4:Aug 64:195:
4000
Clo: EM1:Feb 65:160:4212
TR:130:615
See C.W. Beadle, EM6:64:211:4183
- RIPPERTON, LYMAN A.**
Dsc, SA4:Aug 65:55:4421, of "National Policy
on Air Pollution Control", SA6:Dec 64:51:4166
- RINGO, BOYD C.**
Model Balsa-Wood Bridges in Education,
CE:Feb 64:48
Dsc: S. Chriss, CE:May 64:62
TR:130:83
- RIVER, ROBERT BEAUDON**
Memoir of, TR:130:836
- ROBERSON, JOHN A.**
Dsc, HY5:Sep 65:244:4464, of "Large-Scale
Roughness in Open-Channel Flow", HY6:Nov 64:
203:4145

- ROBERTS, ARTHUR L.**
See Harold A. Kidby, WW4:Nov 64:77:4134
- ROBERTS, DONALD F.**
Dsc, CE:Nov 64:71, on "Guam Typhoon Tears Out Hospital Windows," CE:Jul 64:56
Dsc: James W. Darling, CE:Mar 65:63
- ROBINS, THOMAS M.**
Honorary Member dies, CE:Aug 65:90
- ROBINSON A. R.**
Simplified Flow Corrections for Parshall Flumes under Submerged Conditions, CE:Sep 65:75
- ROBINSON, ARTHUR R.**
See German Gurfinkel, ST6:Dec 65:159:4574
- ROBINSON, CARLTON C.**
Dsc, HW2:Dec 65:139:4548, of "Planning Public Mass Transportation", HW1:Jan 65:15:4190
- ROEFS, THEODORE G.**
Dsc, HY3:May 65:335:4304, of "Multivariate Technique for Synthetic Hydrology", HY5:Sep 64:43:4027
- ROEHM, LOUIS H.**
Dsc, SU1:Apr 65:74:4280, of "Measuring Structural Behavior of Glen Canyon Dam", SU2:Jul 64:133:3987
- ROESSET, JOSE M.**
See C. Allin Cornell, ST3:Jun 65:287:4346
- ROGERS, BRUCE G.**
Plastic Analysis and Design of Non-Prismatic Members, with William H. Munse, Jr., ST5:Oct 65:299:4519
- ROLF, RICHARD L.**
See John W. Clark, ST6:Dec 64:259:4184
- ROORDA, JOHN**
Stability of Structures with Small Imperfections, EM1:Feb 65:87:4230
- ROPES, GILBERT E.**
Vertical Control on the Great Lakes, SU1:Apr 65:35:4289
Dsc: Karl Ramsayer, SU2:Sep 65:68:4462;
R. Robinson Rowe, SU2:Sep 65:71:4462
- ROSENBLUETH, EMILIO**
On a Kind of Hysteretic Damping, with Ismael Herrera, EM4:Aug 64:37:3999
Corr: EM3:Jun 65:259:4348
TR:130:521
Probabilistic Design to Resist Earthquakes, EM5:Oct 64:189:4090
Dsc: Horea Sandi, EM3:Jun 65:270:4348;
C. Allin Cornell, EM3:Jun 65:273:4348; John A. Blume, EM3:Jun 65:275:4348; John L. Bogdanoff and John E. Goldberg, EM4:Aug 65:194:4433
- Slenderness Effects in Buildings, ST1:Feb 65:229:4235
Dsc: Douglas T. Wright, ST5:Oct 65:396:4498;
Anatol A. Eremin, ST5:Oct 65:398:4498; R.H. Wood, ST5:Oct 65:399:4498
See Jorge Bustamante, EM4:Aug 65:192:4433
- ROSENHAUPT, SAKY**
Masonry Walls on Continuous Beams, with Yehuda Sakal, ST1:Feb 65:155:4226
Dsc, SM6:131:4525, of "Tolerance of Structures to Settlement", SM3:May 65:63:4336
- ROSENKOETTER, G. E.**
Symposium, Continuing Education--Whose Responsibility?--the Role of the Local Section, CE:May 65:56
- ROTHENBERG, RONALD**
See Alfred R. Pagan, CE:Apr 65:68
- ROTHERY, RICHARD W.**
See Denos C. Gazis, EM6:Dec 63:29:3724
- ROTHMAN, HERBERT**
Computer Systems for Matrix Operations, with Peter Reilly, ST3:Jun 64:125:3933
Dsc: George Kostro, ST6:Dec 64:375:4157
TR:130:763
- ROUSE, HUNTER**
Critical Analysis of Open-Channel Resistance, HY4:Jul 65:1:4387
Dsc: Charles R. Neill, HY6:Nov 65:247:4527
- ROWE, PETER W.**
Importance of Free Ends in Triaxial Testing, with Laing Barden, SM1:Jan 64:1:3753
Dsc: A. Fagnoul, SM4:Jul 64:203:3979; Roy E. Olson and Larry M. Campbell, SM6:Nov 64:167:4122; K.L. Lee and H. Bolton Seed, SM6:Nov 64:173:4122; J. MacNeill Turnbull, SM6:Nov 64:175:4122; Steve J. Poulos, SM6:Nov 64:177:4122
Clo: SM3:May 65:105:4308
TR:130:363
Dsc, SM3:May 65:153:4308, of "Consolidation Testing with Back Pressure", SM5:Sep 64:69:4058
Dsc, SM3:May 65:160:4308, of "Earthquake Stability of Slopes of Cohesionless Soils", SM6:Nov 64:43:4128
See D.H. Shields, SM1:Jan 65:15:4198
- ROWE, R. ROBINSON**
Guide to Good Practice for Highway-Pipeline Crossings: Report of the Committee on Pipeline Crossings of the Highway Division, ASCE, HW1:Jan 64:19:3763
Clo: HW1:Jan 65:69:4185
Retires after 25 years as columnist for CIVIL ENGINEERING, CE:Jan 65:91
Dsc, HW2:Dec 65:147:4548, of "Function and Organization of Highway Drainage Sections", HW1:Jan 65:49:4207
Dsc, HY3:May 65:398:4304, of "Generalized Critical Slope for Trapezoidal Channels", HY1:Jan 65:85:4202

ROWE, R. ROBINSON Continued

Dsc, SA6:Dec 65:65:4546, of "How to Plan an Inconsequential Research Project", SA4:Aug 65:19:4437

Dsc, SU2:Sep 65:71:4462, of "Vertical Control on the Great Lakes", SU1:Apr 65:35:4289

ROZVANY, GEORGE I. N.

Optimum Synthesis of Prestressed Structures, ST6:Dec 64:189:4178

Dsc: John F. Brothie, ST4:Aug 65:232:4432; G. Sved, ST4:Aug 65:235:4432; D.H. Clyde and R. Sharpe, ST4:Aug 65:236:4432

RUCKER, WHEELER H., JR.

Alternate Design Proves Economy of Precast Prestressed Design for Seattle Pier Shed, CE: May 64:42

TR:130:231

RUFENACHT, A.

Dsc, PO1:May 65:120:4313, of "Unlined Tunnels of the Snowy Mountain Hydro-Electric Authority, Australia", PO3:Oct 64:47:4071

RUFFIN, J. V.

Steel Offshore Towers as Navigation Aids, CE:Nov 65:72

RUMER, RALPH R., JR.

See Donald R.F. Harleman, HY2:Mar 65:384:

RUMPF, JOHN L.

Calibration of A325 Bolts, with John W. Fisher, ST6:Dec 63:215:3731

Dsc: E. Chesson, Jr., ST4:Aug 64:317:4001
Clo: ST2:Apr 65:150:4285
TR:130:295

See Robert A. Bendigo, ST6:Dec 63:187:3727

See John W. Fisher, ST5:Oct 65:181:4513

RUST, RONALD H.

See Iraj Zandi, HY6:Nov 65:37:4532

RUTLEDGE, PHILIP C.

Apollo--a Trip to the Moon--symposium, (3) Vehicle Assembly Building--Design of Foundations. CE:65:50

RUUS, EUGEN

See J.F. Muir, PO1:Sept 63:1:3622

RYDER, E. M. T.

Dsc, CE:Apr 65:80, on "Apollo--a Trip to the Moon," CE:Jan 65:42

RYDZEWSKI, JANUSZ R.

Dsc, PPI:Jan 65:41:4186, of "Trend in Water Resources Education", PP2:May 64:1:3889

SAAD, KAMAL F.

Double Slope Method for Pumping Test Analysis, with Ahmed Shukry and Aly Baligh, IR2: Jun 65:51:4363

Dsc: George J. Kriz, IR4:Dec 65:131:4550

SAAFAN, S. A.

Nonlinear Behavior of Structural Plane Frames, ST4:Aug 63:557:3615

Dsc: Robert Schmidt, ST6:Dec 63:459:3743; D.M. Brotton, ST2:Apr 64:381:3886; Ralph M. Richard, ST4:Aug 64:277:4001
Clo: ST1:Feb 65:279:4216
TR:130:197

SABASTYAN, G. Y.

Dsc, AT2:Oct 65:78:4505, of "Airfield Pavement Evaluation Procedures", AT1:Apr 65:15:4299

SAKAL, YEHUDA

See Saky Rosenhaupt, ST1:Feb 65:155:4226

SAKTHIVADIVEL, R.

Dsc, HY6:Nov 65:201:4527, of "Total Bed Material Transport", HY2:Mar 65:175:4266

SALISBURY, JOHN W.

Dsc, SM4:Jul 65:231:4394, of "Engineering Properties of Simulated Lunar Soils", SM1: Jan 65:25:4199

SALMON, CHARLES G.

Influence-Line Spectrum by Graphical Construction, with Donald R. Buettner, CE:Jul 64:54

TR:130:428

Laboratory Investigation of Unstiffened Triangular Bracket Plates, with Donald R. Buettner and Thomas C. O'Sheridan, ST2:Apr 64:257:3879

TR:130:436

SALMON, MARTIN A.

Crushable Materials for Structural Blast Shields, with Carl J. Costantino, ST3:Jun 65:

SALSBUURY, M. E.

Metropolitan Drainage Planning in Los Angeles County, SA6:Dec 63:37:3739

Dsc: Donald Van Sickle, SA4:Aug 64:101:4006
Clo: SA1:Feb 65:74:4213
TR:130:209

SALZMAN, MILTON G.

Symposium on Pumped Storage: Site Investigations of Pumped Storage Facilities, PO2: July 62:233:3205

Dsc: Edward A. Rudolph, PO1:Sept 63:137:3652; Joel B. Justin, PO1:Sept 63:138:3652
Clo: PO1:May 65:95:4313

Dsc, PO1:Sept 63:173:3652, of "Symposium on Pumped Storage: American Pumped Storage Equipment and Operation", PO4:Dec 62:135:3370

SAMI, SEDAT

See Kotha K. Rao, HY3:May 65:379:4304

SANDBORN, VIRGIL A.

See J.L. Chao, HY2:Mar 65:193:4269

SANDI, HOREA

Dsc, EM3:Jun 65:270:4348, of "Probabilistic Design to Resist Earthquakes", EM5:Oct 64: 189:4090

SANGAL, BENI P.

Dsc, HY1:Jan 65:203:4192, of "Hydrology of Spillway Design: Large Structures - Limited Data", HY3:May 64:261:3913

SANGER, CLARK P.

See Phillip A. Abbott, SM2:Mar 65:107:4257

SANGSTER, W. M.

Dsc, CE:May 65:72, favoring the ASCE specialty conference

SANTINA, WILLIAM J.

Duplicate Locks for Illinois Waterway, with George B. Wesler, WW4:Nov 64:1:4118
Dsc: Doswell Gullatt, WW3:Aug 65:145:4420

SANYAL, NIKHILESWAR

Dsc, SA2:Apr 65:98:4281, of "Population Forecasting by Sanitary Engineers", SA4:Aug 64:31: 3993

SATOH, KUNIIKO

Dsc, EM1:Feb 65:169:4212, of "Relief of Residual Stresses by Heating Patterns", EM3: Jun 64:87:3937

SATYANARAYANA, B.

Earth Pressures for Bilinear Backfill Surface, SM1:Jan 65:99:4209
Dsc: Alfreds R. Jumikis, SM4:Jul 65:236:4394

SAUL, WILLIAM E.

Dsc, EM3:Jun 65:261:4348, of "Discrete Dynamic Models for Elasto-Inelastic Beams", EM5: Oct 64:71:4081

Dsc, ST2:Apr 65:195:4285, of "Earthquake Response of Systems with Bilinear Hysteresis", ST4:Aug 64:123:4009

SAUNDERS, ARVEN H.

Operational Experience at Dulles Airport, AT2:Oct 64:53:4070
Corr: AT2:Oct 65:77:4505
TR:130:795

SAVILLE, THORNDIKE

Dsc, PP2:Sep 65:83:4454, of "Trend in Water Resources Education", PP2:May 64:1:3889

SAWYER, DONALD A.

Minimum Weight Plastic Design of Continuous Frames, with Linton E. Grinter, EM3:Jun 64: 39:3927

Dsc: Jacques Heyman and William Prager, EM5:Oct 64:459:4093; R.H. Wood, EM1: Feb 65:167:4212

Clo: EM4:Aug 65:182:4433

TR:130:711

See Arthur N.L. Chiu, ST5:Oct 64:137:4114

SAWYER, ROBERT

Utah--Lift Slabs (in Salt Lake City) Cast under Plastic Cover for Raising in Spring, CE: Jul 65:42

SAYRE, WILLIAM W.

Dsc, HY6:Nov 65:185:4527, of "Canal Discharge Measurements with Radioisotopes", HY2:Mar 65:101:4258

See David W. Hubbell, HY3:May 64:39:3906

SBAROUNIS, JOHN A.

See Fazlur R. Khan, ST3:Jun 64:285:357

SCHAFFNER, CHARLES E.

See W.O. Hiltabidle, Jr., CO1:May 65:141:4340

SCHEFFEY, CHARLES F.

See Joseph Penzien, EM3:Jun 64:223:3953

SCHILLING, CHARLES G.

Buckling Strength of Circular Tubes, ST5: Oct 65:325:4520

See Ronald W. Frost, ST3:Jun 64:55:3928

SCHIMMING, BRUCE B.

Auxiliary Potential Function for Seepage, with Robert L. Kondner, IR2:Jun 64:21:3930

Dsc: Seymour C. Redshaw, IR1:Mar 65:218: 4242

Clo: IR3:Sep 65:84:4453

TR:130:769

SCHLACK, ALOIS L.

Elastostatic Problem of a Perforated Square Plate, with Robert W. Little, EM5:Oct 64:171: 4089

Dsc: R.S. Alwar, EM3:Jun 65:268:4348

No Closure

SCHLEUSENER, RICHARD A.

Weather Modification, HY1:Jan 64:57:3756

Dsc: F.A. Johnson, HY3:Sep 64:187:4050

Clo: HY2:Mar 65:291:4249

TR:130:199

Dsc, HY5:Sep 65:298:4464, of "Weather Modifications", HY1:Jan 65:93:4203

SCHMERTMANN, JOHN H.

Dsc, SM6:Nov 65:123:4525, of "In-Situ Strength Characteristics of Soft Clays", SM2:Mar 65:49: 4274

Dsc, SM2:Mar 65:131:4257, of "Interpretation of the Consolidated Test", SM5:Sept 64:87:4056

SCHMID, ERWIN

Plane Coordinate Systems and Map Projections, SU2:Jul 64:17:3962

TR:130:444

SCHMID, WERNER E.

See David Elms, WW4:Nov 65:11:4529

SCHMIDT, LEWIS C.

Restraints Against Elastic Lateral Buckling, EM6:Dec 65:1:4561

SCHMIDT, NORBERT O.

See Thomas K. Liu, SM4:Jul 65:217:4394

SCHNELLER, FRANK

A Special Report on the World's Fair, CE:
Jun 64:54

TR:130:487

Interstate = Benefits (Lives + Dollars), CE:
May 65:33

SCHROEDER, EDWARD D.

Dsc, with J.D. Norman and Arthur W. Busch,
SA5:Oct 65:76:4492, of "Second Order Equation
for BOD", SA1:Feb 65:43:4232

SCHULTZ, ALBERT B.

See Kenneth E. Blanchard, EM5:Oct 65:27:4500

SCHULZE, KARL L.

Dsc, SA3:Jun 65:129:4353, of "Analysis of Bio-
logical Filter Variables", SA6:Dec 64:59:4174

SCHUSTER, JACK C.

Canal Discharge Measurements with Radio-
isotopes, HY2:Mar 65:101:4258

Dsc: Hugo B. Fischer, HY5:Sep 65:317:4464;
William W. Sayre, HY6:Nov 65:185:4527

Dsc, HY5:Sep 65:253:4464, of "Large-Scale
Roughness in Open-Channel Flow", HY6:Nov 64:
203:4145

SCHWARTZ, H. IVAN

Nappe Oscillation, HY6:Nov 64:129:4138

Dsc: Eduard Naudascher, HY3:May 65:389;

4304; K. Petrikat and T.E. Umy, HY5:Sep 65:
223:4464

SCIANDRONE, JOE

See John Peters, SM4:Jul 64:97:3976

SCORDELIS, ALEXANDER C.

See Arnum DeFries-Skene, ST4:Aug 64:15:3994

SCOTT, E. O.

Pipeline Location; Bibliography: Task Commit-
tee on Pipeline Location, ASCE, PL1:Jan 64:13:
3766

Dsc: George A. Whetstone, PL2:Nov 64:59:
4120

Clo: PL1:Jul 65:76:4397

SCOTT, MARION B.

See Robert R. Snell, ST4:Aug 65:169:4451

SCOTT, RONALD F.

Lunar Problems in Soil Engineering, SM1:
Jan 65:1:4194

SCOTT, VERNE H.

See Gert Aron, HY5:Sep 65:1:4459

SEABORG, GLENN T.

Wins 1965 Washington Award, CE:Mar 65:43

SEAL, K. E.

Dsc, with M.V. Mountford and R.R. Allan,
SA1:Feb 65:76:4213, of "Low Pressure Air Test
for Sanitary Sewers", SA2:Apr 64:1:3883

SEARES, FREDERICK D.

See Arthur E. Bruington, IR1:Mar 65:117:4264

SEBRUN, THOMAS J.

Roadway Lighting, CE:Oct 64:56

TR:130:442

SEED, H. BOLTON

Clay Mineralogical Aspects of the Atterberg
Limits, with Richard J. Woodward and Raymond
Lundgren, SM4:Jul 64:107:3983

Dsc: J. MacNeill Turnbull, SM1:Jan 65:218:

4197; Melvin I. Esrig, SM1:Jan 65:220:4197;

Lelia Arcan, SM2:Mar 65:113:4257

Earthquake Stability of Slopes of Cohesionless
Soils, with Richard E. Goodman, SM6:Nov 64:
43:4128

Dsc: Peter W. Rowe, SM3:May 65:160:

4308; Jorge I. Bustamante, SM4:Jul 65:208:

4394; V. Venkatasubba Rao, SM5:Sep 65:

109:4457

Corr: SM6:Nov 65:108:4525

Fundamental Aspects of the Atterberg Limits,
with Richard J. Woodward and Raymond Lund-
gren, SM6:Nov 64:75:4140

Dsc: Melvin I. Esrig, SM4:Jul 65:211:4394;

A.S. Kezdi, SM4:Jul 65:213:4394; Thomas K.

Liu, Norbert O. Schmidt and Thomas H.

Thornburn, SM4:Jul 65:217:4394; Jaroslav

Feda, SM6:Nov 65:109:4525

Settlement Analyses, A Review of Theory and
Testing, SM2:Mar 65:39:4275

Dsc: Carl B. Crawford, SM6:Nov 65:127:4525

See I. Noorany, SM2:Mar 65:49:4274

SEETHARAMULU, KAVETI

Analysis of Short Span Folded Plates, with
Mangesh G. Kulkarni, ST3:Jun 64:165:3939

Dsc: Peter Gergely, ST1:Feb 65:311:4216

Clo: ST4:Aug 65:195:4432

TR:130:699

Dsc, ST4:Aug 65:241:4432, of "Operational
Method for Continuous Beams", ST6:Dec 64:
213:4179

See Tekal Vishwanath, ST6:Dec 65:239:4583

SEGNER, EDMUND P., JR.

Reinforcement Requirements for Girder Web
Openings, ST3:Jun 64:147:3919

Dsc: Peter Kocsis, ST1:Feb 65:295:4216;

Herman Tachau, ST1:Feb 65:298:4216

Clo: ST4:Aug 65:187:4432

TR:130:645

SELF, MORRIS W.

Ultimate Strength of Reinforced Concrete Flat
Slabs, ST4:Aug 64:205:4013

Dsc: K.S. Subba Rao, ST2:Apr 65:197:

4285; William L. Gamble, ST2:Apr 65:199:

4285

Clo: ST5:Oct 65:355:4498

SELIG, ERNEST T.

Shock-Induced Stress Wave Propagation in Sand, with Eben Vey, SM3:May 65:19:4332

SENNETT, ROBERT E., III

Analog Computer Analysis of Static Beams, with John Wait, EM2:Apr 65:47:4303
 Dsc: I.F. Christie and A.J.M. Soane, EM6:Dec 65:183:4549; C.B. Wilby and Inamuddin Khwaja, EM6:Dec 65:186:4549; Sherwood P. Prawel, Jr., EM6:Dec 65:187:4549

SENTURK, FUAT

Dsc, HY3:May 65:360:4304, of "Geometrical Properties of Sand-Waves", HY5:Sep 64:105:4055

SERAFIM, J. LAGINHA

Interstitial Pressures on Rock Foundations of Dams, with Alejandro del Campo, SM5:Sep 65:65:4484
 Seismic Study of Arch Dams, with J. Oliveira Pedro, ST2:Apr 65:15:4284

SERGEV, S.

Dsc, ST2:Apr 65:192:4285, of "Influence Functions for Beams on Elastic Foundations", ST4:Aug 64:63:4002

SHAFFER, LOUIS R.

Analytical Methods in Transportation: Planning and Grading Operation for Least Total Cost, EM6:Dec 63:47:3734
 TR:130:296
 See Walter L. Meyer, CO1:May 65:45:4319

SHAH, HARESH C.

Regression Analysis of Reinforced Concrete Columns, ST1:Feb 64:37:3785
 TR:130:345

SHAHROODY, ALI M.

Efficiency of Pumping from Small Circular Sumps, with John R. Davis, IRI:Mar 64:1:3817
 TR:130:339

SHAMIR, URI

See Donald R.F. Harleman, HY3:May 65:330:4304

SHANE, RICHARD M.

Mathematical Model for Flood Risk Evaluation, with Walter R. Lynn, HY6:Nov 64:1:4119
 Dsc: Ray K. Linsley, HY3:May 65:375:4304; Geoffrey N. Alexander, HY3:May 65:376:4304; Henry C. Riggs and Donald M. Thomas, HY5:Sep 65:190:4464; Wenshang Pay, HY5:Sep 65:192:4464

SHANG, JENG C.

Buckling of Longitudinally Stiffened Cylinders, with Walter J. Marulic and Rolland G. Sturm, ST5:Oct 64:161:4115
 Dsc: Richard L. de Neufville, ST1:Feb 65:333:4216
 Clo: ST4:Aug 65:204:4432
 TR:130:667

SHANK, W. H.

The Amazing Pennsylvania Canals, CE:Jan 65:66

SHANLEY, FRANCIS R.

Ceramics as Structural Materials, with William J. Knapp, ST4:Aug 65:47:4429

SHARP, AUBREY L.

Dsc, HY5:Sep 65:282:4464, of "Research Needs in Surface-Water Hydrology: Report of the Committee on Surface-Water Hydrology", HY1:Jan 65:75:4201

SHARP, BRUCE B.

Flow Measurement with a Suspension Wire, HY2:Mar 64:37:3821
 Dsc: Erich J. Plate, HY6:Nov 64:275:4130; Ian C. O'Neill, HY2:Mar 65:315:4249
 Clo: HY4:Jul 65:277:4399
 TR:130:467
 Dsc, HY5:Sep 65:229:4464, of "Water Hammer Resulting From Cavitating Pumps", HY6:Nov 64:161:4143

SHARPE, R.

See D.H. Clyde, ST4:Aug 65:236:4432

SHAW, F. S.

Limit Analysis of Grid Frameworks, ST5:Oct 63:1:3658
 Dsc: Semih S. Tezcan, ST2:Apr 64:383:3886
 Clo: ST6:Dec 64:295:4157
 TR:130:330

SHAW, J. D.

See S.D. Alpert, CE:Feb 65:52

SHAW, JOHN

See George Herrmann, EM5:Oct 65:37:4501

SHAW, JOHN A.

Understanding the Corrosion Resistance of Concrete Pipe, CE:Jun 65:39

SHEARMAN, WINSLOW T.

Relationship of Offset Center Line to Given Base Line, SU2:Sep 65:39:4479

SHERBOURNE, A. N.

Numerical Methods in Bending and Buckling of Plates, ST4:Aug 63:137:3588
 Dsc: W.C. Lennox, ST2:Apr 64:367:3886
 Clo: ST6:Dec 64:293:4157
 TR:130:51

SHERMAN, W. C., JR.

See R.I. Kaufman, SM5:Sep 64:221:4020

SHIELDS, D. H.

Radial Drainage Oedometer for Laminated Clays, with P.W. Rowe, SM1:Jan 65:15:4198
 Dsc: P.M. Jarrett, SM5:Sep 65:110:4457

SHIH, CORNELIUS C. S.

Hydraulic Transport of Solids in a Sloped Pipe, PL2:Nov 64:1:4125
 Dsc: Robert R. Faddick, PL1:Jul 65:81:4397

SHINOZUKA, MASANOBU

Probability of Structural Failure Under Random Loading, EM5:Oct 64:147:4088
 Dsc: Jorge I. Bustamante and Emilio Rosenblueth, EM4:Aug 65:192:4433
 Random Vibration of a Beam Column, with L. Henry, EM5:Oct 65:123:4510

SHOCKLEY, W. G.

Dsc, with S.J. Knight and J.L. McRae, SM4: Jul 65:239:4394, of "Soil Surface Compaction with a Foam-Type Explosive", SM1:Jan 65:143: 4211

SHOEMAKER, WILLIAM H.

Dsc, AT1:Apr 65:63:4279, of "Airline Baggage

SHOFNOS, WILLIAM

See Steacy D. Hicks, HY5:Sep 65:23:4468

SHOLJI, IHSAN

See Kenneth J. Ives, SA4:Aug 65:1:4436

SHUBINSKI, ROBERT P.

Computer Simulation of Estuarial Networks, with James C. McCarty, HY5:Sep 65:33:4470

SHUKRY, AHMED

See Kamel F. Saad, IR2:Jun 65:51:4363

SHULDINER, PAUL W.

See Donald S. Berry, HW1:Jan 64:53:3768
 See Joseph A. Wattleworth, EM6:Dec 63:97: 3729

SHULESHKO, P.

Solution of Buckling Problems by Reduction Method, EM3:Jun 64:147:3945
 Dsc: E. Neil W. Lane, EM6:Dec 64:285:4160
 Clo: EM3:Jun 65:255:4348
 TR:130:315

SHULITS, SAM

See John B. Herbich, HY6:Nov 64:203:4145

SHUTE, RICHARD M.

Professional Development, the Younger View-point (Symposium)--In Industry, CE:Apr 64:56 TR:130:285

SISS, CHESTER P.

See David S. Hatcher, ST5:Oct 65:205:4514
 See Edward O. Pfrang, ST5:Oct 64:99:4110
 See Edward O. Pfrang, ST5:Oct 64:113:4111
 See H.A. Rawdon de Paiva, ST5:Oct 65:19:4496
 See Mortimer D. Vanderbilt, ST4:Aug 65:77: 4439

SIEV, AVINDAV

Geometry of Suspended Cloth Roofs, ST6: Dec 65:251:4585
 Stress Analysis of Prestressed Suspended Roofs, with J. Eidelman, ST4:Aug 64:103:4008
 Dsc: A.A. Eremin, ST2:Apr 65:194:4285
 Clo: ST4:Aug 65:201:4432
 TR:130:518

SIKSO, H. A.

Pressure Cell Observations--Garrison Dam Project, with C.V. Johnson, SM5:Sep 64:157: 4023
 Dsc: Charles J. Monahan, SM2:Mar 65:118: 4257
 Clo: SM5:Sep 65:94:4457
 TR:130:653

SILBERMAN, EDWARD

Dsc, HY6:Nov 65:246:4527, of "Capacity Tests in Large Concrete-Lined Canals", HY3:May 65: 189:4337
 Dsc, HY1:Jan 65:235:4192, of "Turbulent Flow in Porous Media", HY5:Sep 64:1:4019

SILER, WILLIAM C.

Dsc, UP1:Jul 65:52:4388, of "Reactor Con-tainment and Environmental Considerations", UP1:Sep 64:21:4037

SILVERMAN, ISADORE K.

Orthotropic Beams Under Polynomial Loads, EM5:Oct 64:293:4101
 Corr: EM4:Aug 65:197:4433
 TR:130:634

SILVESTER, R.

Hydraulic Jump in All Shapes of Horizontal Channels, HY1:Jan 64:23:3754
 Dsc: Ivan M. Nelidov, HY4:Jul 64:339:3980; L.E. Jones, HY4:Jul 64:340:3980; N. Rajaratnam, HY4:Jul 64:341:3980; R.S. Massey, HY4: Jul 64:350:3980; R.M. Advani, HY4:Jul 64: 356:3980; George H. Hickox, HY5:Sep 64:177: 4050; Praxitelis A. Argyropoulos, HY5:Sep 64: 179:4050; C.J. Posey, HY5:Sep 64:183:4050; M.H. Diskin, HY5:Sep 64:184:4050
 Clo: HY6:Nov 64:265:4130
 TR:130:75

SIMMONS, WILLIAM P.

Experiences with Flow-Induced Vibrations, HY4:Jul 65:185:4414
 Transitions for Canals and Culverts, HY3:May 64:115:3918
 TR:130:35

SIMON, ANDREW L.

Travel Time of Waves in Backwaters, HY6:Nov 63:1:3689
 Dsc: Michael Amein, HY4:Jul 64:275:3980, James A. Harder, HY4:Jul 64:277:3980
 Clo: HY6:Nov 64:255:4130
 TR:130:84

SIMONS, DARYL B.

See Avery A. Bishop, HY2:Mar 65:175:4266
 See Frederick C. Stepanich, WW2:May 64:1: 3895

SIMONS, N.E.

Dsc, SM6:Nov 65:115:4525, of "Precompression for Support of Shallow Foundations", SM2: Mar 65:5:4267
 See R.F. Bartholomew, SM6:Nov 65:122:4525

SINCLAIR, JOSEPH PIERCE

Memoir of, TR:130:837

SINGH, BHAWANI

See Jagdish Narain, SM4:Jul 65:230:4394

SINGH, KRISHAN PIARA

Nonlinear Instantaneous Unit-Hydrograph Theory, HY2:Mar 64:313:3852

Dsc: David R. Dawdy and Terrence O'Donnell,

HY5:Sep 64:287:4050; R. Prasad, HY5:Sep 64:290:4050

Clo: HY3:May 65:313:4304

TR:130:497

SKALAK, RICHARD

See Melvin L. Baron, EM3:Jun 65:129:4374

SKARPELOS, JOHN M.

See Richard F. Foster, SA6:Dec 63:17:3733

SLITER, GEORGE E.

Elastica Supported at Midpoint by a Spring, with Arthur P. Boresi, EM2:Apr 64:1:3854

Dsc: Richard L. de Neufville, EM4:Aug 64:193:4000

Clo: EM1:Feb 65:158:4212

TR:130:147

SLUTTER, ROGER G.

Flexural Strength of Steel and Concrete Composite Beams, with George C. Driscoll, ST2:Apr 65:71:4294

Dsc: Robert E. Loov, ST6:Dec 65:293:4547

SMERDON, ERNEST T.

Dsc, with Otto Wilke, IR4:Dec 65:98:4550, of "Analysis of Water Advance in Surface Irrigation", IR1:Mar 65:99:4259

See Otto Wilke, IR3:Sep 65:23:4471

SMITH, GEORGE L.

See Dasei E. Hallmark, WW3:Aug 65:117:4452

SMITH, HAROLD C.

Dsc, CE:Mar 65:62, of "Vertical Forces in the Alaska Earthquake," CE:Jan 65:56

SMITH, K. V. H.

Dsc, HY1:Jan 65:225:4192, of "Experiments on Small Streams in Alluvium", HY4:Jul 64:1:3959

SMITH, PAUL D.

See Maxwell G. Lay, ST3:Jun 65:25:4355

SMITH, PETER M.

Hydraulic Downpull on Ice Harbor Powerhouse Gate, HY3:May 64:193:3903

Dsc: Rex A. Elder and Jack M. Garrison,

HY1:Jan 65:192:4192

Clo: HY4:Jul 65:282:4399

TR:130:574

SMITH, RAYFORD B.

Design Charts for Symmetrically Haunched Members, CE:Aug 65:72

SMITH, ROBERT L.

Educational Considerations for Environmental Engineering, HY1:Jan 65:9:4191

Dsc: Asit K. Biswas, HY5:Sep 65:264:4464

SMITH, THORTON E.

Dsc, CE:Sep 65:74, of "The Dilemma of the Professional Engineer," CE:May 65:37

SMITH, WILBUR S.

Transportation Centers, UP1:Jul 65:19:4396

Dsc, HW1:Jan 65:70:4185, of "Technological Aspects of Urban Transportation", HW1:Jan 64:

SNELL, ROBERT R.

Reinforcing for a Rectangular Opening in a Plate, with Marion B. Scott, ST4:Aug 63:169:4451

SNOW, BAYARD F.

Dsc, CE:Aug 65:74, of "A Lawyer Looks at Stream Pollution," CE:Apr 65:44

Dsc, CO1:May 65:195:4309, of "Changed Conditions Clause in Construction Contracts", CO2:Sep 64:37:4035

Dsc, CE:Oct 65:81, on the professional life of an engineer

SNYDER, CHARLES E.

See Ira M. Tillotson, SU2:Sep 65:1:4465

SNYDER, FRANKLIN F.

Hydrology of Spillway Design: Large Structures—Adequate Data, HY3:May 64:239:3915

Dsc: Manuel A. Benson, HY5:Sept 64:297:

4050; Beni P. Sangal, HY6:Nov 64:359:4130;

Asit K. Biswas, HY6:Nov 64:365:4130;

Chesley J. Posey, HY1:Jan 65:210:4192;

Geoffrey N. Alexander, HY1:Jan 65:211:

4192

Clo: HY4:Jul 65:289:4399

TR:130:587

SNYDER, WILLARD M.

Men, Models, Methods, and Machines in Hydrologic Analysis, with John B. Stall, HY2:Mar 65:85:4256

Dsc: Myron B. Fiering, HY5:Sep 65:311:

4464; Donald R. Jackson, HY5:Sep 65:313:

4464; Asit K. Biswas, HY6:Nov 65:184:4527

SOANE, A. J. M.

See I. F. Christie, EM6:Dec 63:183:4549

SOARE, MIRCEA

See Aurel A. Beles, ST5:Oct 65:376:4498

SOBEL, MATTHEW J.

See Robert V. Thomann, SA5:Oct 64:9:4116

SODERBERG, ARTHUR D.

Irrigation Development in a Subhumid Area, IR2:Jun 64:1:3922

TR:130:640

SOLIMAN, MOSTAFA M.

Boundary Flow Considerations in the Design of Wells, IR1:Mar 65:159:4272
Dsc: George Terzidis, IR4:Dec 65:122:4550

SOLOMON, JACOB

Structure Designs Governed by Limited Deformations, ST6:Dec 63:71:3718
Dsc: J.W. Crossett, ST3:Jun 64:411:3940,
Lewis Li-tang Au, ST4:Aug 64:291:4001; Jacob Feld, ST4:Aug 64:295:4001
TR:130:477

SOM, PIJUSHKANTI

Anchor Zone Stresses in Prestressed Concrete Beams, with Kalyanmay Ghosh, ST4:Aug 64:49:3996

Dsc: K.T. Sundara Iyengar and K. Chandrashekhar, ST2:Apr 65:171:4285; Alexander Dodge, ST2:Apr 65:175:4285
Cio: ST5:Oct 65:351:4498

SOMERVILLE, J. C.

Dsc, CE:Nov 65:99, on dsc of professional engineer exams, CE:Aug 65:75

SONG, CHIEH-SHYANG

Von Mises Transformation for Boundary Layer Theory, EM2:Apr 64:17:3861
Corr: EM2:Apr 65:74:4286
TR:130:239

SOTERIADES, MICHAEL C.

See Nicholas Perrone, EM1:Feb 65:1:4214

SOWERS, GEORGE F.

Fill Settlement Despite Vertical Sand Drains, SM5:Sep 64:289:4044
Corr: SM4:Jul 65:197:4394
TR:130:685

SOZEN, METE A.

See David S. Hatcher, ST5:Oct 65:205:4514
See Mortimer D. Vanderbilt, ST4:Aug 65:77:4439

SPARACIO, RENATO

See Vincenzo Franciosi, ST1:Feb 64:165:3803

SPENCER, J. R.

See Arthur F. Pillsbury, IR2:Jun 65:1:4344

SPENCER, RALPH W.

Unlined Tunnels of the Southern California Edison Company, with Bruce R. Lavery and Dean A. Barber, PO3:Oct 64:105:4087
Dsc: Frederic L. Lawton, PO1:May 65:130:4313

SPEIR, OSWALD

Memoir of, TR:130:838

SPILLERS, WILLIAM R.

Lateral Response of Piles, with Robert D. Stoll, SM6:Nov 64:1:4121
Dsc: David G. Elms, SM4:Jul 65:197:4394

On Composite Beams, ST4:Aug 65:17:4423

See Frank L. Di Maggio, EM3:Jun 65:169:4376

SPINDEL, PAUL D.

Stadia--an Automatic Data Input Assembler for Topographic Surveys, CE:May 65:51

SPOMER, RALPH G.

See Neal E. Minshall, IR1:Mar 65:11:4243

SRIDHARAN, A.

See M.R. Madhav, SM2:Mar 65:102:4257

SRIDURONGKATUM, PACHERN

See Norbert L. Ackermann, HY6:Nov 64:97:4135

STAHL, FRANK

See Milton Brumer, CE:Oct 65:76

STALL, JOHN B.

See Willard M. Snyder, HY2:Mar 65:85:4256

STANLEY, DONALD R.

Dsc, SA2:Apr 65:71:4281, of "Theory of Water Filtration", SA4:Aug 64:1:3990

STEELS, GEORGE N.

See Alan G. Davenport, ST2:Apr 65:43:4293

STEINBRUGGE, JOHN

Improved Inspection on the West Coast, CE:Oct 65:76

STEINER, WESLEY E.

Dsc, with W. Don Maughan and Dallas E. Cole, IR4:Dec 65:78:4550, of "Future Quantity and Quality of Colorado River Water", IR1:Mar 65:17:4244

STELZENMULLER, WILLIAM B.

Tidal Characteristics of Two Estuaries in Florida, WW3:Aug 65:25:4431

STEMLER, J. ROBERT

What Is Available in Structural Aluminum, with John W. Clark, CE:Apr 64:44
TR:130:213

STENBURG, ROBERT L.

Incineration (Symposium)--Incineration of Community Wastes, CE:Sep 64:40
TR:130:494

Modern Incineration of Community Wastes (in symposium, Planning for Incineration), CE:Sep 64:40

STEPANICH, FREDERICK C.

Control Structures for Sand-Bed Channels, with Daryl B. Simons and Everett V. Richardson, WW2:May 64:1:3895
TR:130:485

STEPHAN, DAVID G.

Water Renovation--Some Advanced Treatment Processes, CE:Sep 65:46

STEPHENS, JOHN C.

Dsc, HY5:Sep 65:171:4464, of "Estimating Evaporation from Insolation", HY5:Sep 64:33:4025

STEPHENSON, JUNIUS W.

Incineration (Symposium)--Specifications and Responsibility for Incinerator Plant Performance, CE:Sep 64:38

TR:130:493

Specifications and Responsibility for Incinerator Plant Performance (in symposium, Planning for Incineration), CE:Sep 64:38

STEPHENSON, RALPH L.

See Raymond C. Loehr, SA3:Jun 65:31:4351

STERBENZ, FREDERICK H.

The Additional Cooper River Bridge, CE: Oct 64:41

TR:130:513

STERLING, GORDON H.

Calibration Tests of A490 High-Strength Bolts, with Emile W.J. Troup, Eugene Chesson, Jr. and John W. Fisher, ST5:Oct 65:279:4515

STETINA, HENRY J.

Dsc, ST3:Jun 65:279:4346, of "Welded Connections for Space Frame Joints", ST5:Oct 64:63:4100

STEVENS, H. H., JR.

An Electric-Powered Vehicle for Large River Measurements, with G.R. Dempster, Jr., CE: Jun 64:74

TR:130:480

Oregon--Electric-Powered Vehicle Used to Measure Sediment Transport and Discharge of Columbia River, with G.R. Dempster, Jr. CE:Jun 64:74

STEWART, GEORGE C.

Dsc, CE:Jul 65:76, on "Jackson. Miss. in 2039 A.D.," CE:Apr 65:59

STOICESCU, TEODOR

See Paul Wisner, WW3:Aug 65:151:4420

STOKES, RALPH C.

See James R. Ayers, WW2:May 63:15:3523

STOLL, ROBERT D.

Shock Waves in Granular Soil, with Ibrahim A. Ebeido, SM4:Jul 65:107:4406

See William R. Spillers, SM6:Nov 64:1:4121

STOLL, ULRICH W.

Dsc, SM2:Mar 65:135:4257, of "Controlled Water Tests to Preload Tank Foundations", SM5:Sept 64:303:4059

Dsc, SM2:65:120:4257, of "Settlement of Buildings on the MIT Campus", SM5:Sept 64:181:4038

STRAUB, CONRAD P.

Environmental Behavior of Nuclear Debris, with Melvin W. Carter and Dade W. Moeller, SA6:Dec 64:25:4159

TR:130:764

STREET, ROBERT L.

Two-Dimensional Jet and Cavity Flows, HY2: Mar 64:141:3831

Clo: HY1:Jan 65:163:4192

TR:130:113

See Gary Z. Watters, HY4:Jul 64:107:3967

STREETER, VICTOR L.

Waterhammer Analysis of Pipelines, HY4:Jul 64:151:3974

Dsc: Takeshi Kobori, HY1:Jan 65:234:4192;

Giuseppe Evangelisti, HY2:Mar 65:378:4249

Clo: HY4:Jul 65:292:4399

TR:130:591

STRELKOFF, THEODOR

Solution of Highly Curvilinear Gravity Flows, EM3:Jun 64:195:3950

Dsc: Hunter Rouse, EM5:Oct 64:467:4093;

John J. Cassidy, EM1:Feb 65:172:4212

See George Terzidis, HY6:Nov 65:236:4527

STURM, ROLLAND G.

Dsc, ST4:Aug 65:246:4432, of "Design of Aluminum Tubular Members", ST6:Dec 64:259:4184

See Jeng C. Shang, ST5:Oct 64:161:4115

STURMAN, GERALD

Dsc, with A. Robert Raab, ST6:Dec 65:291:4547, of Tri-Diagonal Matrix Method for Complex Structures", ST2:Apr 65:27:4291

SUESS, MICHAEL J.

Hydraulic Performance Comparison of Centrifugal Pumps, HY2:Mar 65:73:4255

Dsc: Henry L. Thackwell, HY5:Sep 65:309:

4464; Y.R. Reddy and Subir Kar, HY6:Nov 65:

172:4527; Llewellyn E. Jones, HY6:Nov 65:

180:4527; Ramaprasad and M.V. Ramamoorthy,

HY6:Nov 65:181:4527; David I.H. Barr, HY6:

Nov 65:182:4527

Corr: HY4:Jul 65:297:4399

Surface Area Measurements and Adsorption of Soils, IR1:Mar 64:87:3841

TR:130:131

SULLIVAN, THOMAS M.

Dsc, AT1:Apr 65:65:4279, of "Baggage Handling: Passenger and Baggage Processing at Air Terminals", AT2:Oct 63:29:3677

SUN, CHIN-TEH

See Jan D. Achenbach, EM5:Oct 65:61:4504

SUNADA, D.K.

Dsc, HY5:Sep 65:166:4464, of "Turbulent Flow in Porous Media", HY5:Sep 64:1:4019

SUNN, FRANKLIN Y.K.

Dsc, HY5:Sep 65:233:4464, of "Development of Ground Water in Hawaii", HY6:Nov 64:185:4144

SUPINO, GIULIO

Dsc, HY3:May 65:382:4304, of "Hydraulic Studies of Jamaica Bay", HY6:Nov 64:63:4133

SURKIS, JULIUS

See Restan M. Aras, CO1:Mar 64:1:3823

SUTER, MAX

Dsc, SU1:Apr 65:61:4280, of "Surveying and Mapping for Water Resource Planning", SU1:Apr 64:1:3855

SUTTON, WALTER G.

See Eugene W. Weber, HY4:Jul 65:59:4402

SVED, G.

Dsc, ST4:Aug 65:235:4432, of "Optimum Synthesis of Prestressed Structures", ST6:Dec 64:189:4178

SVORE, JEROME H.

Sewage Lagoons and Man's Environment, CE:Sep 64:54
TR:130:409

SWAMINATHAN, K. V.

Development of Arch Action in Arch Dams, PO1:May 65:39:4329
Dsc, PO1:May 65:102:4313, of "Design of Karadj Arch Dam", PO1:Mar 64:1:3827

SWEET, ARNOLD L.

Stochastic Model for Predicting Subsidence, with John L. Bogdanoff, EM2:Apr 65:21:4292
Validity of a Stochastic Model for Predicting Subsidence, EM6:Dec 65:111:4573

SWIGER, WILLIAM F.

Dsc, SM3:May 65:142:4308, of "Differential Settlement at Selfridge Air Force Base", SM5:Sep 64:197:4047

Dsc, SM5:Sep 65:126:4457, of "State-of-the-Art of Floating Foundations", SM2:Mar 65:81:4278

SYLVESTER, ROBERT O.

A Lake's Response to Its Environment, with George C. Anderson, SA1:Feb 64:1:3786
TR:130:11

SYMONS, J. M.

See M.W. Tenney, SA1:Feb 64:23:3790

SYMONS, JAMES H.

Dsc, SA6:Dec 65:66:4546, of "How to Plan an Inconsequential Research Project", SA4:Aug 65:19:4437

TABITA, ANGELO

See Otis M. Jernigan, WW4:Nov 65:31:4536

TABLER, L. EARL, JR.

Installation Procedure for Hot Metal Facility, CO1:May 65:179:4341

TACHAU, HERMAN

Dsc, ST1:Feb 65:298:4216, of "Reinforcement Requirements for Girder Web Openings", ST3:Jun 64:147:3919

TALBOT, DOUGLAS W.

Municipal Engineering Is a Profession, CE:Apr 65:57

TALSMA, T.

Dsc, IR4:Dec 65:76:4550, of "Sample Size Estimates in Permeability Studies", IR1:Mar 65:1:4240

TAMAYO, JORGE Y.

Buckling of Three-Legged Columns with Batten Bracing, with Morris Ojalvo, ST1:Feb 65:141:4224
Dsc, Robert A. Williamson, ST5:Oct 65:366:4498

TAMBLYN, THOMAS A.

See Jimmie E. Quon, SA2:Apr 65:17:4295

TANG, SING-CHIH

Dynamic Response of a Tube Under Moving Pressure, EM5:Oct 65:97:4508
Dsc, EM2:Apr 65:92:4286, of "Finite Element Solution for Axisymmetrical Shells", EM5:Oct 64:119:4085

TANIMOTO, BENNOSUKE

Eigen-Matrix Method for Beams and Plates, ST5:Oct 63:173:3681

Dsc, K. T. Sundara Raja Iyengar, ST2:Apr 64:401:3886; Thomas J. Higgins, ST3:Jun 64:403:3940

Clo: ST6:Dec 64:309:4157

TR:130:103

Operational Method for Continuous Beams, ST6:Dec 64:213:4179

Dsc, Kaveti Seetharamulu, ST4:Aug 65:241:4432

TARSHANSKY, ISAAC W.

Dsc, SM3:May 65:133:4308, of "Subsurface Stabilization of Organic Silty Clay by Precompression", SM5:Sep 64:363:4031

TAUCHERT, THEODORE R.

Shock Response of a Simple Beam on Nonlinear Supports, with Robert S. Ayre, EM6:Dec 65:91:4570

TAYLOR, E. H.

See A.F. Pillsbury, CE:Oct 64:67

TAYLOR, S. A.

See S. A. Gavande, IR3:Sep 65:96:4453

TEDESKO, ANTON

Apollo--a Trip to the Moon--symposium, (2) Design of the Vehicle Assembly Building, CE:Jan 65:45
Dsc, CE:Oct 65:81, on excellence of Dr. Casagrande's speech for second Terzaghi Lecture

TEIXEIRA, STANLEY E.

Golden Gateway—Superstructures, (Symposium), CE:Jan 64:36
TR:130:49

TENNENT, RICHARD C.

Dsc, HW2:Dec 65:142:4548, of "Function and Organization of Highway Drainage Sections", HW1:Jan 65:49:4207

TENNEY, M. W.

Minimal Solids Aeration Activated Sludge, with R.H. Johnson, Jr. and J.M. Symons, SA1:Feb 64:23:3790

Dsc: Ross E. McKinney, SA5:Oct 64:51:4097
Clo: SA2:Apr 65:63:4281
TR:130:705

TERZIDIS, GEORGE

Dsc, IR4:Dec 65:122:4550, of "Boundary Flow Considerations in the Design of Wells", IR1:Mar 65:159:4272

Dsc, with Theodore Strelkoff, HY6:Nov 65:236:4527, of "Computer Analysis of Overland Flow", HY3:May 65:81:4325

TESARIK, IGOR

Dsc, SA2:Apr 65:80:4281, of "Theory of Water Filtration", SA4:Aug 64:1:3990

TESTIN, G. D.

Combination Water Systems for High-Rise Buildings, CE:Apr 65:65

TEZCAN, SEMIH S.

Minimum Base Lengths for Cantilever Retaining Walls, CE:Oct 65:84
Moment Equations for Computer Analysis of Frames, ST3:Jun 64:35:3926

Dsc: A.A. Eremin, ST1:Feb 65:307:4216
Clo: ST4:Aug 65:192:4432
TR:130:673

Dsc, ST1:Feb 65:301:4216, of "Structural Analysis of Multistory Buildings", ST3:Jun 64:19:3925

THACKSTON, EDWARD L.

Dsc, with Peter A. Krenkel, SA1:Feb 65:84:4213, of "BOD and Oxygen Relationships in Streams", SA3:Jun 64:53:3949

THACKWELL, H. L.

Dsc, SA4:Aug 65:65:4421, of "Design Aspects of Lompoc Water Treatment Plant", SA6:Dec 64:81:4181

Dsc, HY5:Sep 65:309:4464, of "Hydraulic Performance Comparison of Centrifugal Pumps", HY2:Mar 65:73:4255

THAYER, SYLVANUS

Elected to Hall of Fame, CE:Dec 65:52

THELEN, ARTHUR

See Kuang-Han Chu, ST6:Dec 63:159:3726

THEOPHIL, C.

See M.M. Braverman, CE:Apr 65:64

THIBODEAUX, MURPHY H.

Arc Lengths and Curvature of Parabolic Segments, PL1:Jan 64:1:3755

Dsc: R. Robinson Rowe, PL2:Nov 64:51:4120, K.V. Swaminathan, PL2:Nov 64:52:4120
Clo: PL1:Jul 65:75:4397
TR:130:622

THOMAIDES, SPIRO S.

Earthquake Response of Systems with Bilinear Hysteresis, ST4:Aug 64:123:4009

Dsc: William E. Saul, ST2:Apr 65:195:4285
Clo: ST5:Oct 65:354:4498

THOMANN, ROBERT V.

Estuarine Water Quality Management and Forecasting, with Matthew J. Sobel, SA5:Oct 64:9:4116

Dsc: Hugo B. Fischer, SA3:Jun 65:126:4353; Carl A. Rambow, SA3:Jun 65:128:4353
Mathematical Model for Dissolved Oxygen, SA5:Oct 63:1:3680

Dsc: Alex N. Diachishin, SA3:Jun 64:137:3935, Donald J. O'Connor and Dominic Di Tora, SA6:Dec 64:117:4171
Clo: SA6:Dec 64:117:4171
TR:130:153

Dsc, SA5:Oct 65:71:4492, of "Estuarine Distribution of Nonconservative Substances", SA1:Feb 65:23:4425

THOMAS, DONALD M.

See Henry C. Riggs, HY5:Sep 65:190:4464

THOMAS, HENRY H.

Tunnels for Hydroelectric Power in Tasmania, with Lindsay S. Whitham, PO3:Oct 64:11:4065

Dsc: Bruce R. Lavery, PO1:May 65:112:4313; Frederic L. Lawton, PO1:May 65:114:4313

THOMAS, NELSON A.

See Richard L. O'Connell, SA3:Jun 65:1:4345

THOMASSON, J. E.

Dsc, CE:Aug 65:75, of PE examinations
Dsc: J.C. Somerville, CE:Nov 65:99

THOMPSON, CHARLES B.

Irrigation Water Requirements in Texas, IR3:Sep 64:17:4040

Dsc: John W. Hernandez, Jr., IR1:Mar 65:223:4242; John J. Vandertulip and Louis L. McDaniels, IR2:Jun 65:76:4349; Harry F. Blaney, IR2:Jun 65:79:4349
Study of Municipal and Irrigation Water Shortages, IR4:Dec 63:7:3714

Dsc: Korkut Ozal, IR3:Sep 64:77:4028; F.M. Warnick, IR3:Sep 64:78:4028
Clo: IR1:Mar 65:201:4242
TR:130:446

THOMPSON, GUSTAVUS WILLIAM

Memoir of, TR:130:839

THOMPSON, JOE E.

Development and Use of the Modpares Device:
Research Council on Pipeline Crossings of Rail-
roads and Highways, ASCE, PL1:Jan 64:155:3782

Dsc: R. Robinson Rowe, PL2:Nov 64:79:
4120; A.J. Wegmann, PL2:Nov 64:80:4120; K.
V. Swaminathan, PL2:Nov 64:83:4120
Clo: PL1:Jul 65:80:4397

The Performance of Casing Pipes Under
Railroads and Highways: Report of the Research
Council on Pipeline Crossings of Railroads and
Highways, ASCE, PL1:Jul 65:39:4419

THOMPSON, WILLIAM J.

Dsc, with Sidney P. Victory, Jr., SM3:
May 65:154:4308, of "Controlled Water Tests
to Precast Tank Foundations", SM5:Sep 64:
303:4059

THONUS, ROBERT J.

Construction Preplanning Pays Off, CE:Nov 64:
64

TR:130:575

THORFINNSEN, STANLEY T.

See Lloyd B. Underwood, SM2:Mar 64:65:3830

THORN, B. J.

Linear Strain Hardening of Cylindrical Shells,
with Seng-Lip Lee, EM4:Aug 64:97:4007

TR:130:752

THORNBURN, THOMAS H.

See Thomas K. Liu, SM4:Jul 65:217:4394

THORSTENSON, FREDERICK W.

Function and Organization of Highway Drainage
Sections, HW1:Jan 65:49:4207

Dsc: Richard C. Tennent, HW2:Dec 65:142:
4548; Roy F. Warner, HW2:Dec 65:146:4548;
R. Robinson Rowe, HW2:Dec 65:147:4548

TILLOTSON, IRA M.

Current Problems in Property Location, with
Charles E. Snyder, SU2:Sep 65:1:4465

TILP, PAUL J.

Capacity Tests in Large Concrete-Lined
Canals, HY3:May 65:189:4337

Dsc: Edward Silberman, HY6:Nov 65:246:4527

TING, T.C.T.

Dsc, ST5:Oct 65:401:4498, of "Tri-Diagonal
Matrix Method for Complex Structures", ST2:
Apr 65:27:4291

TINNEY, E. ROY

See John S. Gladwell, PO1:May 65:59:4334

See John J. Mattimoe, PO3:Oct 64:29:4067

TOAKLEY, A. RAYMOND

Buckling Loads for Elastically Supported
Struts, EM3:Jun 65:205:4379

TOCHER, JAMES L.

Dsc, EM6:Dec 65:190:4549, of "Grid-Frame-
work for Plates in Flexure", EM3:Jun 65:53:
4361

Dsc, ST1:Feb 65:303:4216, of "Structural
Analysis of Multistory Buildings", ST3:Jun 64:
19:3925

TODD, DAVID K.

Economics of Ground-Water Recharge, HY4:
Jul 65:249:4418

Nuclear Craters for Water Resources Develop-
ment and Management, CE:Jun 65:64

TODD, T. R.

Financing Urban Transportation, with Robley
Winfrey, HW2:Dec 65:89:4586

TOEBES, GERRIT H.

Flow-Induced Structural Vibrations, EM6:
Dec 65:39:4564

TOKSOZ, SADIK

Two-Dimensional Infiltration and Wetting
Fronts, with Don Kirkham and E. Robert
Baumann, IR3:Sep 65:65:4477

TOMALA, FRYDERICK

Inland Water Transportation in Poland, WW1:
Feb 65:1:4231

Dsc: Klaus R. Ludwig, WW4:Nov 65:63:4531

TOMLINSON, GEORGE E.

Comprehensive Planning in the Southeast,
HY5:Sep 65:81:4480

TONIAS, ELIAS C.

Spiral Problems for an Electronic Computer,
HW2:Dec 65:101:4590

TORIDIS, TEOKTISTOS

See Robert K. Wen, EM5:Oct 64:71:4081

TOWNSEND, D. L.

Dsc, SM2:Mar 65:98:4257, of "Pore Pressures
and Bearing Capacity of Layered Clays", SM4:
Jul 64:27:3960

TRACY, HUBERT J.

Turbulent Flow in a Three-Dimensional
Channel, HY6:Nov 65:9:4530

TRAWICK, JACK D.

See John A. Keane, CE:Jul 64:43

TREADWELL, GEORGE T.

Small Craft Harbors Development: Progress
Report of the Task Committee on Small Craft
Harbors. Committee on Ports and Harbors,
ASCE, WW3:Aug 64:11:4016

Dsc: Zusse Levinton, WW1:Feb 65:44:4221;
M.R. Gourlay, WW1:Feb 65:45:4221; L.L.
Whitneck, WW1:Feb 65:47:4221; John Habel,

- TREADWELL, GEORGE T.** Continued
WW2:May 65:49:4307; Glenn D. Ward and Roger E. Wallihan, WW2:May 65:53:4307; Dennis A. O'Leary and Leonard Burtman, WW2:May 65:57:4307
There will be no closure: WW4:Nov 65:4531
- TRENT, DONALD J.**
See Lewis Li-Tang Au, EM4:Aug 65:1:4425
- TRIPATHY, BHOJ N.**
See Llewellyn E. Jones, HY1:Jan 65:85:4202
- TROUP, EMILE W. J.**
See Gordon H. Sterling, ST5:Oct 65:279:4515
- TROXELL, G. E.**
Prestressed Lift Slabs Withstand Fire, CE:Sep 65:64
- TSCHEBOTARIOFF, GREGORY P.**
Vibration of Gas Compressor Foundation Controlled by Chemical Grouting, CE:May 64:34
TR:130:253
Dsc, CE:Apr 65:80, of "Engineering Education--from the Practitioner's Viewpoint," CE:Feb 65:58
- TSERN, JOHN F.**
Dsc, CE:May 65:74, of "The Triangular Bar Chart," CE:Nov 64:67
- TSO, WAI KEUNG**
Coupled Vibrations of Thin-Walled Elastic Bars, EM3:Jun 65:33:4358
- TUMA, JAN J.**
Dsc, with M.N. Reddy, ST2:Apr 65:207:4285, of "Three Moment Equation for Variable Depth Beams", ST6:Dec 64:149:4172
See Delbert C. Carman, ST4:Aug 64:191:4012
- TUNG, CHARLES P. C.**
A Cooperative Computer Center, A New Concept for Consulting Engineers, with David Carsen, CE:Sep 64:56
Dsc: Morton B. Lipetz, CE:Feb 65:68
TR:130:401
- TU'IG, DAVID H. H.**
See Thomas C. Kavanagh, CO1:May 65:69:4323
- TURNBULL, J. MacNEILL**
Dsc, SM1:Jan 65:218:4197, of "Clay Mineralogical Aspects of the Atterberg Limits", SM4:Jul 64:107:3983
- TURNBULL, WILLARD J.**
Dsc, with C.R. Kolb, WW4:Nov 65:66:4531, of "Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works", WW1:Feb 65:7:4236
- TURNER, EARLE J.**
Dsc, ST4:Aug 65:205:4432, of "Guide to Development and Use of Electronic Computer Programs: Introduction", ST6:Dec 64:1:4151
- TURNER, EDWARD A.**
Dsc, PO1:May 65:125:4313, of "Tests Verify Design for TVA's 500-kv Towers", PO3:Oct 64:81:4082
- TURNER, H. C., JR.**
The Value of Management in the Construction Industry, CE:Feb 64:59
TR:130:163
- TUTTLE, LANSING**
Paving Roof Decks and Industrial Floors, CE:Jul 64:58
TR:130:301
- TYER, ARNOLD J.**
Arkansas--Sludge Burning at North Little Rock, CE:Mar 65:54
- TYSON, HOWELL N.**
Ground-Water Management for the Nation's Future--Computer Simulation of Ground-Water Basins, with Ernest M. Weber, HY4:Jul 64:59:3973
TR:130:760
- UGARTE, CELINA**
See Donald L. Dean, ST5:Oct 65:378:4498
- UNDERWOOD, LLOYD B.**
Machine Tunneling on Missouri River Dams, CO1:May 65:1:4314
Rebound in Redesign of Oahe Dam Hydraulic Structures, with Stanley T. Thorfinnson and William T. Black, SM2:Mar 64:65:3830
Corr: SM1:Jan 65:188:4197
TR:130:47
- UNDERWOOD, TOM L.**
Section Modulus of Beams with Unsymmetrical Cover Plates, CE:Mar 64:66
Dsc: John V. Rignani, CE:Jul 64:71
TR:130:286
- UNNY, T. E.**
See K. Petrikat, HY1:Jan 65:200:4192
See K. Petrikat, HY5:Sep 65:223:4464
See Narayana N. Pillai, HY3:May 64:1:3888
- VAFAKOS, WILLIAM P.**
Parametric Expansions for Oval Reinforced Rings, with Neil Nissel, EM5:Oct 64:1:4062
TR:130:577
- VALANTINE, VERNON E.**
Ground-Water Management for the Nation's Future--Effecting Optimum Ground-Water Basin Management, HY4:Jul 64:97:3981
Dsc: Asit K. Biswas, HY2:Mar 65:380:4249; Robert L. McFall, HY2:Mar 65:381:4249
Clo: HY5:Sep 65:165:4464
TR:130:733
- VALLENTINE, HAROLD R.**
Characteristics of the Backwater Curve, HY4:Jul 64:39:3964

VALLENTINE, HAROLD R. Continued

Dsc: Chesley J. Posey, HY2:Mar 65:371:
4249; Harold R. Valentine, HY5:Sep 65:159:
4464

TR:130:755

Rigid Water Column Theory for Uniform Gate
Closure, HY4:Jul 65:27:4386

Dsc, HY5:Sep 65:159:4464, of "Characteristics
of the Backwater Curve", HY4:Jul 64:39:3964

VANDERBILT, MORTIMER D.

Deflections of Multiple-Panel Reinforced
Concrete Floor Slabs, with Mete A. Sozen and
Chester P. Siess, ST4:Aug 65:77:4439

VANDER BURGH, P.

See G. Abraham, HY1:Jan 64:83:3759

VANDERTULIP, JOHN J.

Dsc, with Louis L. McDaniels, IR2:Jun 65:
75:4349, of "Irrigation Water Requirements in
Texas", IR3:Sep 64:17:4040

VAN HOUTEN, LEONARD E.

The Bow Mooring for Berthing Tankers, with
G. A. McCammon, CE:Mar 64:60

TR:130:125

VAN KUREN, RALPH C.

Beam Column Experiments, with Theodore V.
Galambos, ST2:Apr 64:223:3876

TR:130:9

VANONI, VITO A.

Sediment Transportation Mechanics: Nature of
Sedimentation Problems: Progress Report by
the Task Committee on Preparation of Sedimen-
tation Manual, ASCE, HY2:Mar 65:251:4260

Dsc: Joe M. Lara, HY5:Sep 65:319:4464;

A. J. Raudkivi, HY6:Nov 65:193:4527; David
I. H. Barr, HY6:Nov 65:194:4527

Sediment Transportation Mechanics: Wind
Erosion and Transportation: Progress Report
by the Task Committee on Preparation of Sedi-
mentation Manual, ASCE, HY2:Mar 65:267:4261

VAN SCHILFGAARDE, JAN

Design of Tile Drainage for Falling Water
Tables, IR2:Jun 63:1:3543

Dsc: Lee D. Dumm, IR4:Dec 63:53:3746; H.
Y. Hammad, IR4:Dec 63:56:3746; G. O. Schwab,

IR4:Dec 63:59:3746; Mahdi S. Hantush, IR4:
Dec 63:60:3746; R. H. Brooks, IR1:Mar 64:119:

3848; Roberto Carravetta, IR1:Mar 64:122:3848

Clo: IR3:Sep 64:71:4028

Corr: IR1:Mar 65:193:4242

TR:129:815

Transient Design of Drainage Systems, IR3:
Sep 65:9:4458

VAN TIENHOVEN, JAN C.

Translation of Foreign Literature on Hy-
draulics: Seventh Progress Report of the Task
Force on List of Translations of the Committee
on Hydromechanics, ASCE, HY2:Mar 65:27:4245

VARADARAJULU, G. H.

See M. Anandakrishnan, SM5:Sept 63:1:3631

VASARHELYI, DESI D.

Misalignment in Bolted Joints, with William
N. Chang, ST4:Aug 65:1:4422

VASILESCU, M. ST.

Dsc, PO1:May 63:106:4313, of "Tumut 2
Underground Power Plant", PO1:Mar 64:33:
3835

VEATCH, N. T.

Dsc, SA4:Aug 65:53:4421, of "Protecting the
Purity of Inland Waters", SA6:Dec 64:1:4148

Dsc, PP1:Jan 65:37:4186, of "Trend in Water
Resources Education", PP2:May 64:1:3889

VELTROP, JAN A.

Design of Karadji Arch Dam, with Roman P.
Wengler, PO1:Mar 64:1:3827

Dsc: K. V. Swaminathan, PO1:May 65:102
4313

See Andrew Eberhardt, ST6:Dec 64:123:4170

See W. A. Waldorf, SM4:Jul 63:91:3576

VENDRELL, JOSÉ R., JR.

See Robert L. Kondner, SM5:Sep 64:31:4021

VENKATRAMAIAH, C.

See P. Venkatraman, HY2:Mar 65:352:4249

VENKATRAMAN, P.

Dsc, with C. Venkatramiah, HY2:Mar 65:352:
4249, of "Experiments on Small Streams in
Alluvium", HY4:Jul 64:1:3959

VERES, SANDOR A.

Aerial Traverse and Maximum Bridging
Distance, SU3:Oct 63:157:3679

Dsc: Daniel Kennedy, SU1:Apr 64:89:3885

Clo: SU1:Apr 65:58:4280

TR:130:211

Aerial Triangulation Using Independent Photo
Pairs, SU2:Sep 65:27:4469

VEY, EBEN

Engineering Properties of Simulated Lunar
Soils, with John D. Nelson, SM1:Jan 65:25:
4199

Dsc: John W. Salisbury, SM4:Jul 65:231:4394;

Rodney W. Johnson, SM5:Sep 65:111:4457;

Leslie G. Bromwell, SM5:Sep 65:114:4457

See Ernest T. Selig, SM3:May 65:19:4332

VICTORY, SIDNEY P., JR.

See William J. Thompson, SM3:May 65:154:
4308

VISHWANATH, TEKAL

Test of a Ferro-Cemento Precast Folded
Plate, with Ramkrishna P. Mhatre and Kaveti
Seetharamulu, ST6:Dec 65:239:4583

VITOLS, VILIS

Analysis of Composite Beam Bridges by
Orthotropic Plate Theory, with Rodney J.
Clifton and Tung Au, ST4:Aug 63:71:3584

Dsc: Kuang-Han Chu and G. Krishnamoorthy,
ST1:Feb 64:247:3812

- VITOLS, VILIS** Continued
Clo: ST5:Oct 64:199:4066
TR:130:3
- VOLLMER, ARNOLD H.**
See W.O. Hiltabidle, Jr., CO1:May 65:141:4340
- VORTMAN, LUKE J.**
Nuclear Excavation of a Sea-Level Isthmian Canal. WW4:Nov 64:27:4129
Dsc: Roland H. Carlson, WW3:Aug 65:148:4420
- VREELING, JOHN**
Landing Area Facilities: Progress Report of the Committee on Landing Area Facilities, ASCE, AT2:Oct 65:57:4503
- WAANANEN, ARVI O.**
Use of Neutron Meters in Soil Moisture Measurement: Progress Report of the Task Force on Use of Neutron Meters. Committee on Hydrometeorology. ASCE. HY6:Nov 64:21:4123
Dsc: Kenneth Preiss, HY5:Sep 65:193:4464;
Edward R. Burroughs, Jr., HY5:Sep 65:197:
- WAH, THEIN**
Analysis of Laterally Loaded Gridworks. EM2: Apr 64:83:3865
Dsc: Celina P. Ugarte and Donald L. Dean, EM6:Dec 64:265:4160
Clo: EM3:Jun 65:253:4348
TR:130:481
Vibration of Circular Plates at Large Amplitudes. EM5:Oct 63:1:3663
Corr: EM3:Jun 64:281:3936; EM2:Apr 65:65:4286
TR:129:429
- WAHLS, HARVEY E.**
Analysis of Primary and Secondary Consolidation. SM6:Dec 62:207:3373
Dsc: T.K. Chaplin, SM3:May 63:193:3528; Hamilton Gray, SM3:May 63:194:3528; M.R. Madhav and A. Sridharan, SM4:Jul 63:233:3578; J. Brinch Hansen, SM6:Nov 63:95:3701
Clo: SM6:Nov 64:161:4122
Add. to Clo: SM3:May 65:103:4308
Dsc, with Nelson S. de Godoy, SM3:May 65: 147:4308, of "Interpretation of the Consolidation Test", SM5:Sep 64:87:4056
- WAIT, JOHN**
See Robert E. Sennett, III, EM2:Apr 65:47:4303
- WALDORF, W. A.**
Foundation Modulus Tests for Karadj Arch Dam, with J.A. Veltrop and J.J. Curtis, SM4: Jul 63:91:3576
Dsc: Tomas Shuk, SM1:Jan 64:157:3781; K. V. Swaminathan, SM2:Mar 64:187:3850; E.W. Stroponi and G.H. Kruse, SM2:Mar 64:191:3850
Clo: SM1:Jan 65:169:4197
TR:130:271
- WALKER, W. H.**
Dsc, CE:Nov 65:99, of Do You Know That item on shortage of highway engineers, CE:Aug 65:27
- WALL, DOUGLAS E.**
A Study of Hypersonic Aircraft. AT2:Oct 64:9:4074
Corr: AT2:Oct 65:77:4505
TR:130:799
- WALL, WILLIAM J.**
Influence of Soil Types on Stabilization of the Savannah River, WW3:Aug 65:7:4430
- WALLACE, FELIX A.**
Dsc, PP1:Jan 65:33:4186, of "Interdisciplinary Education for Urban Planning", PP1:Jan 64: 29:3751
- WALLACE, GEORGE B.**
Differential Settlement at Selfridge Air Force Base, with William C. Otto, SM5:Sep 64:197:4047
Dsc: William M. Perpich and Robert G. Lukas, SM3:May 65:141:4308; William F. Swiger, SM3:May 65:142:4308
Clo: SM6:Nov 65:99:4525
- WALLACE, JAMES R.**
See William W. Emmett, HY6:Nov 64:45:4126
- WALLAERT, JAMES J.**
Shear Strength of High-Strength Bolts, with John W. Fisher, ST3:Jun 65:99:4368
- WALLIHAN, ROGER E.**
See Glen D. Ward, WW2:May 65:53:4307
- WALLO, EDWARD M.**
See Irwin Remson, HY1:Jan 65:55:4196
- WALSH, JAMES P.**
See Wen-Hsiung Li, EM6:Dec 64:113:4168
- WALSH, M. P.**
Corr: CE:Mar 65:64, of News Brief item on orthotropic bridge across Mississippi at East St. Louis, CE:Dec 64:89
- WALSH, ROBERT J.**
New York--Linseed-Oil Protection for New York State Thruway Bridges, CE:Jul 65:39
- WALTON, WILLIAM C.**
Hydrogeologic Electric Analog Computer, with Thomas A. Prickett, HY6:Nov 63:67:3695
Dsc: Jacob Bear, HY4:Jul 64:321:3980
Clo: HY1:Jan 65:152:4192
TR:130:43
- WANG, CHU-KIA**
General Computer Program for Limit Analysis, ST6:Dec 63:101:3719
Dsc: Ping-Chun Wang, ST2:Apr 64:415:3886; Morris Ojalvo, ST4:Aug 64:297:4001
Clo: ST1:Feb 65:283:4216
TR:130:161

WANG, SHOU-LING

Flexural Calculation of Nonuniform Members.
ST6:Dec 63:271:3735

Dsc: C.C. Feng and P.E. Bartlett, ST4:Aug 64:325:4001, Robert W. Gerstner, ST4:Aug 64:330:4001

Clo: ST6:Dec 64:315:4157

TR:130:164

Dsc, ST1:Feb 65:318:4216, of "Frames of Solid Bars of Varying Cross Sections", ST4:Aug 64:145:4010

WARD, GERALD C.

Optical Tooling for Precise Structural Measurements, with John F. Ely, ST3:Jun 64:179:3944

TR:130:225

WARD, GLENN D.

Dsc, with Roger E. Wallihan, WW2:May 65:53:4307, of "Small Craft Harbors Development Progress Report of the Task Committee on Small Craft Harbors, Committee on Ports and Harbors", ASCE, WW3:Aug 64:11:4016

WARD, HOWARD S.

Analog Simulations of Earthquake Motion, EM5:Oct 65:173:4522

WARD, JOHN C.

Annual Variation of Stream Water Temperature, SA6:Dec 63:1:3710

Dsc: David W. Duttweiler, SA4:Aug 64:87:4006, William L. Haushild and George R. Dempster, Jr., SA4:Aug 64:90:4006, Lamont W. Curtis, Timothy J. Doyle and George W. Whetstone, SA4:Aug 64:92:4006, A. M. Moore, SA4:Aug 64:97:4006

Clo: SA1:Feb 65:69:4213

TR:130:258

Turbulent Flow in Porous Media, HY5:Sep 64:1:4019

Dsc: Edward Silberman, HY1:Jan 65:235:4192; Ian Larsen, HY2:Mar 65:386:4249; Ian C. O'Neill and Alan K. Parkin, HY2:Mar 65:388:4249; Joseph B. Franzini, HY2:Mar 65:391:4249; Donald Dean Adrian, HY3:May 65:321:4304; David I.H. Barr, HY3:May 65:323:4304; Erik G.W. Lundquist, HY3:May 65:325:4304; D.K. Sunada, HY5:Sept 65:166:4464

WARD, JOSEPH S.

Engineering Education--from the Practitioner's Viewpoint, CE:Feb 65:58

Dsc: M.D. Morris, CE:Apr 65:80; G.P.

Tschebotarjoff, Apr 65:80

Starting a Consulting Business, CE:Jan 64:48

Dsc: Ralph W. Seidensticker, CE:Mar 64:74;

Gene M. Nordby, Apr 64:66

TR:130:7

Starting Your Own Consulting Practice--Business and Finance, CE:Jan 65:53

Dsc, CE:Feb 65:69 of "The triangular bar chart," CE:Nov 64:67

WARD, PAUL C.

See Herbert B. Foster, Jr., SA6:Dec 65:1:4556

WARD, W.H.

Dsc, SM6:Nov 65:114:4525, of "Measuring Instruments for Strutt Excavations", SM1:Jan 65:111:4210

WARE, R. P.

Ghana's Akosombo Dam--Design and Construction, with D.R. Hooper, CE:Dec 64:65

Dsc: Ole P. Erickson, CE:Mar 65:62

TR:130:735

WARNER, ROY F.

Dsc, HW2:Dec 65:146:4548, of "Function and Organization of Highway Drainage Sections", HW1:Jan 65:49:4207

WARNOCK, RICHARD G.

Dsc, HY3:May 65:342:4304, of "Analogue Procedure for Determination of Virtual Mass", HY5:Sep 64:69:4042

WARREN, W. L.

Roadside Planting in California, CE:Aug 64:67

TR:130:373

WARSKOW, MARTIN A.

Analysis of Master Plan for Chicago O'Hare Airport, with Howard C. Burns, AT2:Oct 63:1:3674

Dsc: Robert Horonjeff, AT1:May 64:85:3916

TR:130:63

WARTUR, M. HARRY

Dsc, CE:Oct 65:80, of "Arbitration in Engineering and Construction," CE:Jul 65:60

Dsc, CE:Nov 65:99, of "Contracting Conditions and Construction Quality," CE:Aug 65:53

WATSON, LESLIE J.

Development of Ground Water in Hawaii, HY6:Nov 64:185:4144

Dsc: Paul F. Keim, HY2:Mar 65:409:4249;

Robert L. McFall, HY2:Mar 65:409:4249;

Franklin Y.K. Sunn, HY5:Sep 65:233:4464;

Agatin T. Abbott, HY5:Sep 65:234:4464; Robert

T. Chuck, HY5:Sep 65:234:4464; Frank Wiley,

HY5:Sep 65:236:4464; L. Stephen Lau, HY5:

Sep 65:236:4464; Doak C. Cox, HY5:Sep 65:

238:4464

WATERS, GARY Z.

Two-Dimensional Flow Over Sills in Open Channels, with Robert L. Street, HY4:Jul 64:107:3967

Dsc: Mordechai H. Diskin, HY1:Jan 65:233:

4192; Charles W. Lenau, HY2:Mar 65:372:

4249

Clo: HY5:Sep 65:160:4464

TR:130:766

WATTLES, W. C.

Surveyors' Footsteps, SU3:Oct 63:1:3659

Dsc: Winfield H. Eldridge, SU1:Apr 64:85:

3885

Clo: SU1:Apr 65:58:4280

TR:130:208

WATTLEWORTH, JOSEPH A.

Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, with Paul W. Shuldiner, EM6:Dec 63:97:3729
TR:130:346

WAUGH, JOSEPH E.

Photogrammetric Measurement of Tidal Currents, SU1:Apr 64:17:3857
Dsc: Daniel Kennedy, SU1:Apr 65:62:4280
Clo: SU2:Sep 65:67:4462

WEATHERS, JOHN W.

Comprehensive Flood Damage Prevention, HY1:Jan 65:17:4193
Dsc: L. Douglas James, HY5:Sep 65:266:4464

WEAVER, RALPH

Preliminary Design of Concrete Dams by Computers, CE:Feb 64:43
TR:130:99

WEBER, ARTHUR W.

The Dilemma of the Professional Engineers' Licensing Program, CE:May 65:37
Dsc: Thornton Smith, CE:Sep 65:74

WEBER, ERNEST M.

See Howell N. Tyson, HY4:Jul 64:59:3973

WEBER, EUGENE W.

Environmental Effects of Flood Plain Regulations, with Walter G. Sutton, HY4:Jul 65:59:4402
Dsc: L. Douglas James, HY6:Nov 65:249:4527; Robert L. McFall, HY6:Nov 65:250:4527
Dsc, PPI:Jan 65:39:4186, of "Trend in Water Resources Education", PP2:May 64:1:3889

WEBER, WALTER J., JR.

Equilibria and Capacities for Adsorption on Carbon, with J. Carrell Morris, SA3:Jun 64:79:3952
Dsc: R.N. Rickles and D.S. Davies, SA1:Feb 65:91:4213
Clo: SA3:Jun 65:121:4353
TR:130:525
Dsc, with Roger H. Carlson, SA3:Jun 65:140:4353, of "Second Order Equation for BOD", SA1:Feb 65:43:4232

WEBSTER, RAYMOND A.

See Irwin Remson, HY3:May 65:133:4330

WEEKS, L.O.

See Arthur F. Pillsbury, IR2:Jun 65:1:4344

WEGMAN, LEONARD S.

Incineration (Symposium)—Incinerator Planning CE:Sep 64:35
TR:130:491

WEIDLINGER, PAUL

Shock and Reflection in a Nonlinear Medium, EM3:Jun 65:147:4375
Temperature Stresses in Tall Reinforced Concrete Buildings, CE:Aug 64:58

Dsc: Daniel Dicker, CE:Nov 64:73
TR:130:377

WEINBERG, BERTOLD E.

Dsc, CE:Aug 65:75, of Construction Division Conference on Quality Control

WEINGARTEN, V.I.

Free Vibrations of Conical Shells, EM4:Aug 65:69:4440

WEISS, LEONARD L.

Ratio of True to Fixed-Interval Maximum Rainfall, HY1:Jan 64:77:3758
TR:130:66

WEISSMANN, G. F.

Dsc, SM4:Jul 65:232:4394, of "The Nature of Damping in Sands", SM1:Jan 65:63:4206

WELLER, HARVILL E.

Channel Stabilization of Alluvial Rivers: Report of the Task Committee on Channel Stabilization Works, ASCE, WW1:Feb 65:7:4236
Dsc: Rudolf Hertzberg, WW2:May 65:59:4307; Charles R. Neill, WW3:Aug 65:156:4420; Norman R. Moore, WW4:Nov 65:64:4531; Shou-shan Fan, WW4:Nov 65:65:4531; Willard J. Turnbull and C.R. Kolb, WW4:Nov 65:66:4531; J. Chabert and M. Remilieux, WW4:Nov 65:70:4531

WEMPNER, G. A.

Axisymmetrical Deflections of Shallow Conical Shells, EM2:Apr 64:181:3877
Dsc: M.E. Luchick, EM5:Oct 64:447:4093
Clo: EM4:Aug 65:179:4433
TR:130:628

WEN, ROBERT K.

Discrete Dynamic Models for Elasto-Inelastic Beams, with Teokistos Toridis, EM5:Oct 64:71:4081
Dsc: William E. Saul, EM3:Jun 65:261:4348

WENGLER, ROMAN P.

See Jan A. Veltrop, PO1:Mar 64:1:3827

WENGROVITZ, SEYMOUR

New Trends in Fallout Protection, with Gordon W. Hirtle, CE:Jul 65:47

WENK, EDWARD, JR.

Engineering for Marine Exploration and Development, PP2:Sep 65:35:4466

WERSAN, STEPHEN J.

See Jimmie E. Quon, SA5:Oct 65:17:4491

WESLER, GEORGE B.

See William J. Santina, WW4:Nov 64:1:4118

WESTFALL, HERBERT C.

Dsc, CE:Jun 65:72, of "Airports and Rapid Transit Systems," CE:Apr 65:38

WEWER, OLE

Slipforming a Chimney 450 Ft High in
Nottingham, CE:Dec 64:74
TR:130:739

WHETSTONE, GEORGE A.

Dsc, SA3:Jun 65:124:4353, of "Quality Aspects
of Waste Water Reclamation", SA5:Oct 64:1:4104

WHIPPLE, WILLIAM. JR.

Civil Engineers Build for the Fair, CE:Jun 64:
50
Dsc: Paul F. Gugliotta, CE:Sep 64:68
TR:130:483

WHITAKER, J.

Dsc, HY5:Sep 65:321:4464, of "Flow Measure-
ments at Columbia River Power Plants", HY2:
Mar 65:125:4263

WHITE, C.M.

Dsc, with B. MacMahon, HY3:May 65:364:
4304, of "Geometrical Properties of Sand-
Waves", HY5:Sep 64:105:4055

WHITE, GILBERT B.

A City Engineer Talks about Paving, CE:Mar
64:63
TR:130:276

WHITE, HAROLD H.

New Light on Blasting Vibration Effects, CE:
Apr 64:61
TR:130:252

WHITE, MERIT P.

Dsc, ST3:Jun 65:291:4346, of "Steady-State
Versus Run-Down Tests of Structures", ST6:
Dec 64:51:4161

WHITE, WILLIAM M.

Evaluation of Recreation in Water Develop-
ments, PO1:May 65:1:4306

WHITENECK, L. L.

Dsc, WW1:Feb 65:47:4221, of "Small Craft
Harbors Developments: Progress Report of the
Task Committee on Small Craft Harbors,
Committee on Ports and Harbors", ASCE,
WW3:Aug 64:11:4016

WHITHAM, LINDSAY S.

See Henry H. Thomas, PO3:Oct 64:11:4065

WHITMAN, ROBERT V.

Criteria for Acceptability of Papers: Report of
the Committee on Publications of the Soil Me-
chanics and Foundations Division, ASCE, SM3:
May 65:51:4326

Yielding and Locking of Confined Sand, with
Edmond T. Miller and Peter J. Moore, SM4:
Jul 64:57:3966

Dsc: Phillip A. Abbott, Clark P. Sanger, and
Warren J. Baker, SM2:Mar 65:107:4257
Clo: SM6:Nov 65:97:4525

WHITTINGTON, RICHARD B.

Simple Dimensional Method for Hydraulic Pro-
blems, HY5:Sep 63:1:3629
Dsc: Enzo O. Macagno, HY1:Jan 64:357:3783;
E. Markland, HY2:Mar 64:391:3853; Subir Kar,
HY3:May 64:345:3911
Clo: HY6:Nov 64:249:4130
TR:130:135

WHITTON, REX M.

Dsc, HW2:Dec 65:141:4548, of "Planning Public
Mass Transportation", HW1:Jan 65:15:4190

WIECHMAN, HOWARD C.

Concrete Need Not Hibernate, CE:Nov 65:78

WIEGEL, R. L.

Coastal Engineering in Japan, with Kiyoshi
Horikawa, CE:Dec 64:76
TR:130:719

WIESINGER, FREDERICK P.

Moment Coefficients for Frame Analysis, with
Seng-Lip Lee and John F. Fleming, ST6:Dec 63:
1:3712
Dsc: Allen E. Crenshaw, ST2:Apr 64:403:3886
TR:130:39

WIGGERT, JAMES M.

Dsc, HY5:Sep 65:326:4464, of "Computer
Analysis of Overland Flow", HY3:May 65:81:
4325

WIGGINS, JOHN H., JR.

Effect of Site Condition on Earthquake Intensity,
ST2:Apr 64:279:3880
Dsc: G.W. Housner, ST5:Oct 64:241:4066;
A.A. Eremin, ST5:Oct 64:242:4066; John A.
Blume, ST6:Dec 64:361:4157
Clo: ST3:Jun 65:274:4346
TR:130:415

WILBY, C.B.

Dsc, with Imamuddin Khwaja, EM6:Dec 65:
186:4549, of "Analog Computer Analysis of
Static Beams", EM2:Apr 65:47:4303

WILDER, ARTHUR B.

Dsc, PL1:Jul 65:82:4397, of "Hydraulic
Testing of the 24-in. Leidy Line", PL2:Nov 64:
15:4132

WILEY, FRANK

Dsc, HY5:Sep 65:236:4464, of "Development of
Ground Water in Hawaii", HY6:Nov 64:185:4144

WILHOITE, GENE M.

Tests Verify Design for TVA's 500-kv Towers,
PO3:Oct 64:81:4082
Dsc: Edward A. Turner, PO1:May 65:125:
4313; Max Zar and Joseph R. Arena, PO1:
May 65:126:4313

WILKE, OTTO

A Solution of the Irrigation Advance Problem,
with Ernest T. Smerdon, IR3:Sep 65:23:4471
See Ernest T. Smerdon, IR4:Dec 65:98:4550

WILKINS, J. K.

Dsc, PP2:Sep 65:95:4454, of "Teaching Engineering Attitude to Students", PP1:Jan 65:1:4189

WILLARD, EDWIN RUTHVEN

Memoir of, TR:130:840

WILLARDSON, LYMAN S.

Sample Size Estimates in Permeability Studies, with Rex L. Hurst, IR1:Mar 65:1:4240

Dsc: T. Talsma, IR4:Dec 65:76:4550

Separation of Evapotranspiration and Deep Percolation, with Wendell L. Pope, IR3:Sep 63:77:3638

Dsc: Harry F. Blaney, IR1:Mar 64:139:3848;

Stanley S. Butler, IR2:Jun 64:55:3941

Clo: IR1:Mar 65:196:4242

TR:130:56

WILLIAMS, GORDON R.

Dsc, CE:Mar 65:62, of "Cycles in Hydrologic Data," CE:Jan 65:70

Dsc, HY1:Jan 65:202:4192 of "Hydrology of Spillway Design: Large Structures—Limited Data", HY3:May 64:261:3913

Dsc, HY1:Jan 65:208:4192, of "Hydrology of Spillways Design: Small Structures—Limited Data", HY3:May 64:295:3914

Dsc, PP1:Jan 65:40:4186, of "Trend in Water Resources Education", PP2:May 64:1:3889

See M.D. Morris, SA1:Feb 65:1:4220

WILLIAMS, HERBERT S.

Analogue Aerial Triangulation, SU2:Jul 64:49:3968

Corr: SU1:Apr 65:71:4280

TR:130:245

WILLIAMS, MERLIN C.

Weather Modifications, University of Wyoming, HY1:Jan 65:93:4203

Dsc: Richard A. Schleusener, HY5:Sep 65:

298:4464; Paul A. Rechard, HY5:Sep 65:299:

4464; Asit K. Biswas, HY5:Sep 65:300:4464

WILLIAMS, RICHARD F.

Dsc, CE:Oct 65:81, on the need to provide for 2-wheeled vehicles on highways

WILLIAMS, THEODORE T.

Dsc, HY3:May 65:385:4304, of "Hyperconcentrations of Suspended Sediment", HY6:Nov 64:117:4136

WILLIAMSON, ROBERT A.

Dsc, ST5:Oct 65:366:4498, of "Buckling of Three-Legged Columns with Batten Bracing", ST1:Feb 65:141:4224

Dsc, ST5:Oct 65:361:4498, of "Strength of Round Steel Columns", ST1:Feb 65:121:4219

WILSON, EDWARD L.

See Ray W. Clough, ST3:Jun 64:19:3925

WILSON, NYAL E.

Dsc, with M.B. Lo, SM1:Jan 65:231:4197, of "Interpretation of the Consolidation Test", SM5:Sep 64:87:4056

WINFREY, ROBLEY

See T.R. Todd, HW2:Dec 65:89:4586

WINTER, GEORGE

See Alexander Chajes, ST4:Aug 65:103:4442

WISELY, WILLIAM H.

ASCE Activity in Public Affairs, CE:Aug 64:35 TR:130:351

Civil Engineering Education, CE:Oct 64:37

TR:130:505

Continuing Education, CE:Feb 65:31

Interprofessional Relations, CE:Aug 65:33

Dsc: Victor W. Buhr, CE:Nov 65:98; Sergei N. Grimm, Nov 65:99; John A. Logan, Nov 65:99

Letter to "Barron's" defending Interstate

Highway System, CE:Jan 65:86

Maintaining Ethical Standards, CE:Apr 64:31

TR:130:184

Membership Promotion in ASCE, CE:Jun 65:35

Dsc: Fred Camp, CE:Aug 65:75

Product Endorsement by Engineers,

CE:Apr 65:41

Profile of a Successful Career, CE:May 64:47

Dsc: Roger H. Gilman, CE:Jul 64:70; Joseph

P. Lawlor, CE:Jul 64:70; Charles A.

Manganaro, CE:Jul 64:70

TR:130:129

Reappointed to N.Y. State Health Council,

CE:Jun 65:79

Technical Programs in ASCE, CE:Feb 64:31

TR:130:37

The Civil Engineer in Urban Planning, CE:Dec 64:37

Dsc, CE:Feb 65:67; William L. Grecco,

Mar 65:64; Felipe U. Derteano, CE:Apr 65:80;

Ralph Gakenheimer, Apr 65:80

TR:130:723

The Composition of the Engineering Profession, CE:Jun 64:33

TR:130:533

WISER, EDWARD H.

Irrigation Planning Using Climatological Data, IR4:Dec 65:1:4551

WISNER, PAUL

Dsc, with Teodor Stoicescu, WW3:Aug 65:151:4420, of "High Lift Locks: Some Hydraulic Problems and Solutions", WW4:Nov 64:55:4131

WITTENBROCK, NORMAN C.

See Richard F. Foster, SA6:Dec 63:17:3733

WOLCHUK, ROMAN

Steel Deck Bridges with Long Rib Spans, CE:Feb 64:53

TR:130:115

WOLCOTT, W. WESTON

See John J. Mattimoe, PO3:Oct 64:29:4067

Dsc, CE:Dec 65:72 on the expanding field of rapid transit engineering

WOLF, ARTHUR J.**WOOD, DON J.**

Environmental Missile Launch Systems, CE:
Nov 64:56

TR:130:579

Dsc, HY3:May 65:393:4304, of "Water Hammer Resulting from Cavitating Pumps", HY6:Nov 64:161:4143

WOOD, R. H.

Dsc, EM1:Feb 65:167:4212, of "Minimum Weight Plastic Design of Continuous Frames", EM3:Jun 64:39:3927

Dsc, ST5:Oct 65:399:4498, of "Slenderness Effects in Buildings", ST1:Feb 65:229:4235

WOOD, WILLIAM E.

See M. D. Morris, SA1:Feb 65:1:4220

WOODS, PHILIP C.

See Gerald T. Orlob, HY2:Mar 64:1:3815

WOODWARD, RICHARD J.

See H. Bolton Seed, SM4:Jul 64:107:3983

See H. Bolton Seed, SM6:Nov 64:75:4140

WOOLHISER, DAVID A.

Channel Gradients Above Gully-Control Structures, with Arno T. Lenz, HY3:May 65:165:4333

Dsc, with L. M. Falkson, PP1:Jan 65:58:4186, of "Some Ethical Implications of Professional Planning", PP2:May 64:23:3896

See James A. Liggett, HY6:Nov 65:228:4527

WORCESTER, ROBERT E.

Airline Baggage Handling Systems, AT2:Oct 63:21:3676

Dsc: William H. Shoemaker, AT1:Apr 65:63:4279

WRIGHT, DOUGLAS T.

Membrane Forces and Buckling in Reticulated Shells, ST1:Feb 65:173:4227

Dsc: Kenneth P. Buchert, ST3:Jun 65:298:

4346; Shu-t'ien Li, ST4:Aug 65:253:4432;

Cedric Marsh, ST4:Aug 65:254:4432; Niels

C. Lind, ST4:Aug 65:255:4432; John O. Mc-

Cutcheon and J. F. Dickie, ST5:Oct 65:369:

4498; Anatol A. Eremin, ST5:Oct 65:372:

4498; Gordon Moses, ST5:Oct 372:4498;

Richard R. Bradshaw, ST5:Oct 65:374:4498;

F. del Pozo, ST5:Oct 65:374:4498; Aurel A.

Beles and Mircea Soare, ST5:Oct 65:376:4498;

Donald L. Dean and Celina P. Ugarte, ST5:

Oct 65:378:4498; Ferdinand Lederer, ST5:

Oct 65:385:4498; Michele Pagano and Carlo

Catanzaro, ST5:Oct 65:391:4498

Dsc, ST5:Oct 65:396:4498, of "Slenderness

Effects in Buildings", ST1:Feb 65:229:4235

WRIGHT, JAMES R.

Professional Development-The Student's Responsibility, PP1:Jan 64:9:3748

Dsc: Shu-t'ien Li, PP1:Jan 65:25:4186

Corr: PP2:Sep 65:79:4454

TR:130:793

WRIGHT, KENNETH R.

Water Right Engineering Under Appropriation System, IR1:Mar 64:9:3818

Dsc: Floyd A. Bishop, IR3:Sep 64:79:4028

Clo: IR1:Mar 65:206:4242

TR:130:280

WRIGHT, RICHARD N.

Loading Effects in Structural Steel Design, with William J. Hall, ST5:Oct 64:11:4084

Dsc: A. A. Eremin, ST3:Jun 65:278:4346

Clo: ST6:Dec 65:289:4547

WU, I-PAI

Design Hydrographs for Small Watersheds in Indiana, HY6:Nov 63:35:3694

Dsc: D. L. Brakensiek and D. E. Overton,

HY4:Jul 64:297:3980; Robert E. Rallison and

Donald E. Woodward, HY4:Jul 64:298:3980; S.

Solomon, HY4:Jul 64:300:3980; P. C. DaCosta,

HY4:Jul 64:303:3980; Charles D. Hopkins and

Albert S. Kachic, HY4:Jul 64:304:3980; Krishan

P. Singh, HY4:Jul 64:309:3980; Donald Van

Sickle, HY4:Jul 64:316:3980; J. W. Delleur,

HY4:Jul 64:318:3980

Clo: HY1:Jan 65:146:4192

TR:130:119

WU, T. S.

See G. R. Monforton, ST6:Dec 63:13:3713

WU, TIEN HSING

See Richard W. Christensen, SM6:Nov 64:125:4147

WUNDERLICH, WILLIAM E.

See Otis M. Jernigan, WW4:Nov 65:31:4536

YALIN, M. SELIM

Geometrical Properties of Sand-Waves, HY5: Sep 64:105:4055

Dsc: David I. H. Barr, HY3:May 65:343:

4304; Alan V. Jopling, HY3:May 65:348:4304;

Fuat Senturk, HY3:May 65:360:4304; C. M.

White and B. MacMahon, HY3:May 65:364:

4304; Carl F. Nordin, Jr., and James H.

Alger, HY3:May 65:367:4304

Clo: HY5:Sep 65:184:4464

YAMAMOTO, YOSHIO E.

Dsc, ST1:Feb 65:317:4216, of "Interaction of Shear Walls and Frames", ST3:Jun 64:285:3957

YANG, CHENG YI

Dsc, EM3:Jun 65:284:4348, of "Analysis of Contained Plastic Flow in Plane Solids", EM5: Oct 64:397:4113

YAO, LESLIE Y. C.

See Bengt B. Broms, SM4:Jul 64:1:3958

YEN, B. T.

See P.B. Cooper, ST1:Feb 64:1:3784

YEN, BEN-CHIE

Dsc, HY5:Sep 65:257:4464, of "Large-Scale Roughness in Open-Channel Flow", HY6:Nov 64:257:4145

See Lucien M. Brush, HY1:Jan 64:149:3764

YEN, YU-CHIN

Dsc, ST4:Aug 65:218:4432, of "Inelastic Frame Buckling", ST6:Dec 64:105:4169

YETTRAM, ALAN L.

Grid-Framework Method for Plates in Flexure, with Husain M. Husain, EM3:Jun 65:53:4361

Dsc: Roy Levy, EM5:Oct 65:233:4495; James L. Tocher, EM6:Dec 65:190:4549

YITZHAK, MICHAEL

See Max Reiss, ST5:Oct 65:233:4516

YOSHIMI, YOSHIKI

Piles in Cohesionless Soil Subject to Oblique Pull, SM6:Nov 64:11:4124

Dsc: Bengt B. Broms, SM4:Jul 65:199:4394

YOTSUKURA, NOBUHIRO

Numerical Solution to a Dispersion Equation, with Myron B. Fiering, HY5:Sep 64:83:4046

Dsc: Hugo B. Fischer, HY2:Mar 65:402:4249

Dsc, EM2:Apr 65:84:4286, of "Random Walk Study of Convective Diffusion", EM4:Aug 64:49:

YOUNG, BEN W.

See T.Y. Lin, CE:Jul 65:56

YOUNG, CORTLAND E., JR.

See Ralph A. Klawitter, IR3:Sep 65:1:4456

YOUNG, D. H.

See Kenneth Medearis, ST1:Feb 64:61:3791

YOUNG, DONALD F.

Dynamic Similitude of Underground Structures, with Glenn Murphy, EM3:Jun 64:111:3938

TR:130:439

See K.G. McConnell, EM2:Apr 65:88:4286

See Kenneth G. McConnell, EM4:Aug 65:147:4448

YOUNG, JAMES C.

Second Order Equation for BOD, with John W. Clark, SA1:Feb 65:43:4232

Dsc: K. Keshavan, SA3:Jun 65:136:4353;

Walter J. Weber, Jr., and Roger H. Carlson, SA3:Jun 65:140:4353; Gerald M. Leigh, SA5:Oct 65:73:4492; Wilber A. Blain, SA5:Oct 65:74:4492; Edward D. Schroeder, J.D. Norman and Arthur W. Busch, SA5:Oct 65:76:4492

YU, YUN-SHENG

See Tio-Chun Chen, HY2:Mar 65:51:4251

YURA, JOSEPH A.

Strength of Single-Story Steel Frames, with Theodore V. Galambos, ST5:Oct 65:81:4507

See Peter F. Adams, EM2:Apr 65:94:4286

YUSAVAGE, WILLIAM J.

Bridge Costs in California, with Harris K. Mauzy, CE:May 64:50

TR:130:133

ZACCHEO, PHILIP F.

See John Lowe, III, SM5:Sep 64:69:4058

ZANDI, IRAJ

Turbulent Non-Newtonian Velocity Profiles in Pipes, with Ronald H. Rust, HY6:Nov 65:37:4532

ZANONI, HERMAN P.

Collective Bargaining for Municipal Engineers, CE:Sep 65:50

ZAR, MAX

Problems with High Chimneys, CE:Feb 64:32

TR:130:64

Dsc, with Joseph R. Arena, PO1:May 65:126:4313, of "Tests Verify Design for TVA's 500-kv Towers", PO3:Oct 64:81:4082

ZELLER, P.J.A.

Dsc, SA4:Aug 65:56:4421, of "Analysis of Biological Filter Variables", SA6:Dec 64:59:4174

ZIENKIEWICZ, O. C.

Analogue Procedure for Determination of Virtual Mass, with B. Nath, HY5:Sep 64:69:4042

Dsc: Frederic T. Mavis, HY2:Mar 65:400:4249; Richard G. Warnock, HY3:May 65:342:4304

ZOBEL, E. S.

Increasing the Efficiency of Helicopters on Transmission-Line Construction, with R.A. Kravitz, CE:Jun 64:72

Dsc: L.H.J. Cook, CE:Sep 64:68

TR: 130:489

ZSUTTY, THEODORE

Error Statistics for Reinforced Concrete Beams, ST6:Dec 63:235:3732

Dsc: Milik Tichý and Miloš Vorlíček, ST4:Aug 64:321:4001; C. Berwanger, ST4:Aug 64:322:4001

Clo: ST1:Feb 65:286:4216

TR:130:158

ZWAMBORN, JOHAN ALBERT

Simple Apparatus for Producing Model Tides, HY2:Mar 65:39:4250

Dsc: Jan M. Jordaan, Jr., HY6:Nov 65:170:4527

Dsc, HY5:Sep 65:267:4464, of "European Concepts of Sediment Transportation", HY1:Jan 65:29:4195

